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INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non precision approaches are 800-2 (NDB, VOR, LOC, TACAN, LDA, VORTAC, VOR/DME, ASR or WAAS LNAV); for precision approaches 600-2 (ILS or PAR). Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility or absence of weather reporting service. Civil pilots see FAR 91. IFR Alternate Airport Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Airport Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

ALBANY, OR

ALBANY MUNI ..... **VOR/DME or GPS-A**
NA except for operators with approved weather reporting service.

ARLINGTON, WA

ARLINGTON MUNI ..... **NDB or GPS Rwy 34**
Category D, 800-2½.
NA when Paine Field control tower closed.

ASTORIA, OR

ASTORIA RGNL ..... **RNAV (GPS) Rwy 26[12]**
VOR Rwy 8[3]
[1]NA when local weather not available.
[2]Categories A, B, 900-2; Category C, 900-2¾; Category D, 900-3.
[3]Category C, 800-2¼; Category D, 900-3.

AURORA, OR

AURORA STATE ..... **LOC Rwy 17[1]**
RNAV (GPS) Rwy 17[23]
RNAV (GPS) Rwy 35[2]
[1]Category D, 800-2¼.
[2]NA when local weather not available.
[3]Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

BAKER, MT

BAKER MUNI ..... **NDB Rwy 13[1]**
NDB Rwy 31[2]
[1]Categories A,B, 1100-2; Categories C,D, 1100-3.
[2]Categories A,B, 1000-2; Category C, 1000-2¾; Category D, 1000-3.

BAKER CITY, OR

BAKER CITY MUNI ..... **RNAV (GPS) Rwy 13[12]**
VOR-A[13]
VOR/DME Rwy 13[24]
[1]NA when local weather not available.
[2]Category D, 900-2¾.
[3]Categories A,B, 1900-2; Categories C,D, 1900-3.
[4]NA when control zone not in effect.

NAME ALTERNATE MINIMUMS

BELLINGHAM, WA

BELLINGHAM INTL ..... **ILS or LOC Rwy 16**
RNAV (GPS) Rwy 16
NA when local weather not available.

BIG PINEY, WY

MILEY MEMORIAL FIELD ..... **VOR Rwy 31**
Category D, 800-2¼.

BILLINGS, MT

BILLINGS LOGAN INTL ..... **NDB Rwy 10L[1]**
RNAV (GPS) Rwy 10L[2]
RNAV (GPS) Rwy 28R[3]
[1]Category D, 800-2¼.
[2]Categories A,B,C,D, 800-2¼.
[3]Categories A,B, 900-2; Categories C,D, 900-3.

BOISE, ID

BOISE AIR TERMINAL(GOWEN FIELD) ..... **LOC BC Rwy 28L[1]**
RNAV (GPS) Y Rwy 10R[2]
RNAV (GPS) Y Rwy 28L[2]
VOR/DME or TACAN Rwy 10L[1]
VOR/DME or TACAN Rwy 28L[1]
[1]Category E, 900-3.
[2]Category E, 1000-3.

BOZEMAN, MT

GALLATIN FIELD ..... **VOR Rwy 12**
Category C, 800-2¼; Category D, 800-2½.

BREMERTON, WA

BREMERTON NATIONAL .. **RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 19[1]
NA when local weather not available.
[1]Categories A,B, 1200-2; Categories C,D, 1200-3.

NAME ALTERNATE MINIMUMS

BUFFALO, WY

JOHNSON COUNTY ..... **RNAV (GPS) Rwy 31[1]**
VOR/DME Rwy 31[2]
NA when local weather not available.
[1]Category D, 800-2¼.
[2]Category C, 800-2¼; Category D, 800-2½.

BURLEY, ID

BURLEY MUNI ..... **VOR-A**
VOR/DME-B
NA when local weather not received.

BURLINGTON/MOUNT VERNON, WA

SKAGIT RGNL ..... **NDB Rwy 10[1]**
RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28
NA when local weather not available.
[1]Categories A,B, 1300-2; Categories C,D, 1300-3.

BURNS, OR

BURNS MUNI ..... **VOR Rwy 30**
Categories A, B, 1400-2; Categories C,D, 1400-3.

BUTTE, MT

BERT MOONEY ..... **ILS Y Rwy 15[1]**
LOC/DME Rwy 15[2]
RNAV (GPS) Y Rwy 15[3]
RNAV (GPS) Z Rwy 15,1200-2
VOR or GPS-B,1400-3
VOR/DME or GPS-A,3000-3
[1]Categories A, B, C, 1200-4.
[2]Categories A,B, 1300-2; Categories C,D, 1300-3.
[3]Categories A,B, 1500-2; Categories C,D, 1500-3.

CALDWELL, ID

CALDWELL INDUSTRIAL ..... **RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
NA when local weather not available.

CASPER, WY

CASPER/NATRONA COUNTY INTL ..... **ILS or LOC Rwy 3**
ILS, Categories A,B, 800-2; Category C 800-2½; Category D, 800-2¾; Category E, 900-3.
LOC, Category C, 800-2½; Category D, 800-2¾; Category E, 900-3.

NAME ALTERNATE MINIMUMS

CHEYENNE, WY

CHEYENNE RGNL/JERRY OLSON FIELD ..... **ILS or LOC Rwy 27[1]**
NDB Rwy 27[1]
RNAV (GPS) Rwy 9[2]
RNAV (GPS) Rwy 13[2]
RNAV (GPS) Rwy 31[2]
[1]NA when control tower closed.
[2]NA when local weather not available.

CODY, WY

YELLOWSTONE REGIONAL ..... **RNAV (GPS) Rwy 22[1]**
VOR or GPS-A[2]
[1]Category C, 800-2¼; Category D, 200-2¾.
[2]Category D, 900-3.

COEUR D'ALENE, ID

COEUR D'ALENE-PAPPY BOYINGTON FIELD .... **ILS or LOC/DME Rwy 5**
NDB Rwy 5
RNAV (GPS) Rwy 5
VOR Rwy 5
VOR/DME Rwy 1
NA when local weather not available.

CORVALLIS, OR

CORVALLIS MUNI ..... **VOR-A**
Categories A,B,1200-2; Categories C,D, 1200-3.

DEER PARK, WA

DEER PARK ..... **RNAV (GPS) Rwy 34**
NA when local weather not available.

DILLON, MT

DILLON ..... **VOR or GPS-A,**1500-3
VOR/DME or GPS-B
NA when Dillon altimeter setting not available.

DOUGLAS, WY

CONVERSE COUNTY ..... **VOR Rwy 29**
Categories A,B, 1100-2; Categories C,D, 1100-3. DME standard.

EASTSOUND, WA

ORCAS ISLAND ..... **RNAV (GPS)-A**
Categories A, B, 1100-2.
NA when local weather not available.

ELLENSBURG, WA

BOWERS FIELD ..... **RNAV (GPS) Rwy 25[1]**
RNAV (GPS) Rwy 29
VOR-B[2]
NA when local weather not available.
[1]Category D, 800-2¼.
[2]Category A, 1500-2.

NAME ALTERNATE MINIMUMS

EPHRATA, WA

EPHRATA MUNI ..... **RNAV (GPS) Rwy 3[1]**
RNAV (GPS) Rwy 21[2]
VOR/DME Rwy 3[1]
VOR Rwy 21[1]

NA when local weather not available.
[1]Category D, 1300-3.
[2]Category C, 800-2¼; Category D, 1300-3.

EUGENE, OR

MAHLON-SWEET FIELD ..... **ILS or LOC/DME Z Rwy 16R[1]**
ILS or LOC Y Rwy 16R[1]
ILS or LOC/DME Rwy 16L[12]
RNAV (GPS) Rwy 34R[2]
VOR or GPS-A[3]

[1]NA when control tower closed.
[2]NA when local weather not available.
[3]Categories A,B, 900-2; Category C, 900-2½; Category D, 900-2¾.

EVANSTON, WY

EVANSTON-UINTA COUNTY BURNS FIELD ..... **ILS or LOC/DME Rwy 23**
Categories C,D, 700-2.

EVERETT, WA

SNOHOMISH COUNTY(PAINE FIELD) ..... **ILS or LOC/DME Rwy 16R**
NA when control tower closed.
NA when local weather not available.

FORT BENTON, MT

FORT BENTON ..... **RNAV (GPS) Rwy 23**
NA when local weather not available.

GILLETTE, WY

GILLETTE-CAMPBELL COUNTY ..... **ILS or LOC Rwy 34[12]**
RNAV (GPS) Rwy 16[3]
RNAV (GPS) Rwy 34[4]
VOR/DME Rwy 16[5]
VOR/DME Rwy 34[1]

[1]Categories A,B, 900-2; Category C, 900-2½; Category D, 1000-3.
[2]NA when control tower closed.
[3]Categories A,B,C, 800-2¼; Category D, 1000-3.
[4]Categories A,B,C,D, 1200-4.
[5]Category C, 800-2¼; Category D, 1000-3.

GLASGOW, MT

WOKAL FIELD/ GLASGOW INTL ..... **VOR Rwy 12**
Categories A,B, 900-2; Categories C,D, 900-3.
VOR/DME standard.

NAME ALTERNATE MINIMUMS

GLENDIVE, MT

DAWSON COMMUNITY ..... **NDB or GPS Rwy 12,**900-2¾

GOODING, ID

GOODING MUNI ..... **RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25
NA when local weather not available.

GRAY AAF (KGRF)

FORT LEWIS, WA ..... **NDB Rwy 15**
NDB Rwy 33
ILS or LOC Rwy 15
COPTER NDB Rwy 15
NA when control tower closed.

GREAT FALLS, MT

GREAT FALLS INTL ..... **NDB Rwy 34**
Category D, 800-2¼.

GREYBULL, WY

SOUTH BIG HORN COUNTY .... **RNAV (GPS)-A**
RNAV (GPS) Rwy 33[1]
NA when local weather not available.
[1]Category D, 1200-3.

HAILEY, ID

FRIEDMAN MEMORIAL ..... **RNAV (GPS) W Rwy 31**
Categories A,B, 1900-2; Category C, 1900-3.

HAVRE, MT

HAVRE CITY-COUNTY ..... **VOR Rwy 26**
Categories A, B, 900-2; Category C, 900-2¾; Category D, 900-3.

NAME ALTERNATE MINIMUMS

HELENA, MT

HELENA RGNL ..... **ILS or LOC Y Rwy 27[12]**
ILS or LOC Z Rwy 27[12]
LOC/DME BC-C[13]
NDB-D[14]
RNAV (GPS) Y Rwy 9[5]
RNAV (GPS) Rwy 23[6]
RNAV (GPS) X Rwy 27[5]
RNAV (RNP) Z Rwy 9[7]
RNAV (RNP) Y Rwy 27[7]
RNAV (RNP) Z Rwy 27[79]
VOR-A[8]
VOR/DME-B[6]

[1]NA when control tower closed.
[2]Categories A, B, 1600-2; Categories C, D, E, 1600-3.
[3]Categories A, B, 1300-2; Categories C, D, 1300-3.
[4]Category A, 1200-2.
[5]Categories A, B, 1600-2; Categories C, D, 1600-3.
[6]Categories A, B, 900-2; Category C, 900-2¾; Category D, 900-3.
[7]NA when local weather not available.
[8]Categories A, B, 2900-2; Categories C, D, 2900-3.
[9]1000-4.

HOQUIAM, WA

BOWERMAN ..... **RNAV (GPS) Rwy 24[1]**
VOR/DME Rwy 24[2]
VOR Rwy 6[1]

[1]Category D, 800-2¼.
[2]Categories A,B, 900-2; Category C, 900-2¾; Category D, 900-3.

IDAHO FALLS, ID

IDAHO FALLS RGNL ..... **ILS or LOC Rwy 20[1]**
LOC BC Rwy 2[2]
RNAV (GPS) Rwy 20[3]
VOR Rwy 20[3]

[1]ILS, Category E, 700-2½. LOC, Category E, 800-2½.
[2]Category E, 800-2½.
[3]NA when local weather not available.

JACKSON, WY

JACKSON HOLE ..... **RNAV (GPS) X Rwy 1[1]**
RNAV (GPS) Y Rwy 19[1]
RNAV (RNP) Y Rwy 1, 10681200-4
VOR/DME Rwy 1[2]
VOR/DME Rwy 19[3]

[1]Categories A,B, 1200-2; Categories C,D, 1200-3.
[2]Categories A,B,1000-2; Categories C,D, 1000-3.
[3]Categories A,B,1400-2; Categories C,D, 1400-3.

NAME ALTERNATE MINIMUMS

JEROME, ID

JEROME COUNTY ..... **RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27[1]
VOR/DME-A

NA when local weather not available.
[1]Categories A, B, 1300-2; Categories C, D, 1300-3.

JOHN DAY, OR

GRANT COUNTY RGNL/
OGILVIE FIELD ..... **RNAV (GPS) Y Rwy 9**
Category B, 900-2; Category C, 900-2½.

KALISPELL, MT

GLACIER PARK INTL ..... **ILS or LOC Rwy 2[1]**
RNAV (RNP) Y Rwy 2[2]
RNAV (RNP) Rwy 20, 800-2½[2]

[1]Categories C, D, 700-2.
[2]NA when local weather not available.

KLAMATH FALLS, OR

KLAMATH FALLS ..... **ILS or LOC Rwy 32[1]**
RNAV (GPS) Rwy 14[2]
VOR/DME or TACAN Rwy 14[3]
VOR/DME or TACAN Rwy 32[4]
VOR or GPS-B,2100-3

[1]Categories A,B, 900-2; Category C, 900-2¾; Category D, 1000-3. LOC, DME required.
[2]Categories A,B, 900-2; Category C, 900-2¾; Category D, 1000-3.
[3]Categories C,D, 1000-3; Category E, NA.
[4]Category B, 900-2; Categories C,D, 1000-3; Category E, 1500-3.

LAKEVIEW, OR

LAKE COUNTY ..... **VOR/DME-A**
Categories A,B, 900-2; Category C, 900-2½; Category D, 900-2¾.

LEWISTON, ID

LEWISTON-NEZ PERCE
COUNTY ..... **ILS Rwy 26[12]**
RNAV (GPS) Rwy 8[3]
RNAV (GPS) Rwy 12[3]
RNAV (GPS) Rwy 26[3]
VOR Rwy 8[4]
VOR Rwy 26[3]

[1]ILS, Category D, 800-2¼.
[2]NA when control tower closed.
[3]Category D, 800-2¼.
[4]Categories A, B, 1100-2; Categories C, D, 1100-3.

LEWISTOWN, MT

LEWISTOWN MUNI ..... **RNAV (GPS) Rwy 7**
VOR Rwy 7

Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

LIVINGSTON, MT

MISSION FIELD ..... **VOR/DME-B[1]**
VOR-A[2]

[1]Categories A, B, 900-2; Category C, 900-2½; Category D, 1000-3.
[2]Categories A, B, 2200-2; Categories C,D, 2200-3.

MC MINNVILE, OR

MC MINNVILLE MUNI ..... **ILS or LOC Rwy 22**
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22
VOR/DME-B

NA when local weather not available.
Category D 800-2¼.

MEDFORD, OR

ROGUE VALLEY INTL-
MEDFORD ..... **ILS or LOC/DME Rwy 14[12]**
LOC/DME BC-B[23]
RNAV (GPS)-D[3]
RNAV (GPS) Rwy 14[4]
VOR-A[5]
VOR/DME-C[3]
VOR/DME Rwy 14[5]

[1]ILS, Categories A, B, C, 700-2; Category D, 900-2½. LOC, Category D, 900-2½.
[2]NA when control tower closed.
[3]Categories A, B, 2300-2; Categories C, D, 2300-3.
[4]Categories A, B, 1100-2; Categories C, D, 1100-3.
[5]Categories A, B, 1400-2;Category C, D 1400-3.

MISSOULA, MT

MISSOULA INTL ..... **ILS Rwy 11[1]**
RNAV (GPS) Y Rwy 11[23]
RNAV (RNP) Z Rwy 11[2],800-2½
VOR/DME or GPS-A,2000-3
VOR/DME or GPS-B,2000-3

[1]ILS, 1600-6. LOC,NA.
[2]NA when local weather not available.
[3]Categories A, B, 1900-2; Categories C, D, 1900-3.

MOSES LAKE, WA

GRANT COUNTY INTL ... **ILS or LOC Rwy 32R[1]**
NDB Rwy 32R[2]
RNAV (GPS) Rwy 4[1]
RNAV (GPS) Rwy 14L[1]
RNAV (GPS) Rwy 22[1]
VOR Rwy 4[2]
VOR -1 Rwy 14L[2]
VOR -3 Rwy 14L[2]
VOR Rwy 22[2]
VOR Rwy 32R[2]

[1]NA when local weather not available.

NAME ALTERNATE MINIMUMS

NEWCASTLE, WY

MONDELL FIELD ..... **VOR or GPS Rwy 31**

NA except for operators with approved weather reporting service.
Categories A,B, 900-2;Categories C,D, 900-3.

NORTH BEND, OR

SOUTHWEST OREGON
RGNL ..... **ILS or LOC Rwy 4[1]**
NDB or GPS Rwy 4[2]
VOR or GPS-A[3]
VOR/DME or GPS-B[4]
VOR/DME Rwy 4[4]

[1]ILS,Categories A,B, 800-2; Category C, 900-2¼, Category D,1000-3. LOC, Category C, 900-2¼, Category D,1000-3.
[2]Category C, 900-2¼;Category D, 1000-3.
[3]Categories A,B, 1100-2; Categories C,D, 1100-3.
[4]Categories C,D, 1000-3.

OAK HARBOR, WA

AJ EISENBERG ..... **RNAV (GPS) Rwy 7**

NA when local weather not available.

OLYMPIA, WA

OLYMPIA RGNL ..... **ILS or LOC Rwy 17[12]**
RNAV (GPS) Rwy 17[2]
RNAV (GPS) Rwy 35[2]
VOR-A[23]
VOR/DME Rwy 35[2]

[1]ILS, Categories C, D, 700-2.
[2]NA when local weather not available.
[3]Category D, 800-2¼.

ONTARIO, OR

ONTARIO MUNI ..... **RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available.

PASCO, WA

TRI-CITIES ..... **ILS or LOC Rwy 21R[12]**
RNAV (GPS) Rwy 3L
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 21R
RNAV (GPS) Rwy 30
VOR Rwy 21R[3]
VOR/DME Rwy 30

NA when local weather not available.
[1]NA when control tower closed.
[2]ILS, Categories A,B,C, 700-2; Category D, 700-2¼. LOC, Category D, 800-2¼.
[3]Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

PENDLETON, OR

EASTERN OREGON RGNL AT
PENDLETON ..... **ILS or LOC/DME Rwy 25[1]**
RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 11
RNAV (GPS) Rwy 25
RNAV (GPS) Rwy 29
VOR Rwy 7

NA when local weather not available.
[1]ILS, NA when control tower closed.

PINEDALE, WY

PINEDALE/RALPH WENZ
FIELD ..... **NDB-A[1]**
RNAV (GPS) Rwy 11[2]
RNAV (GPS) Rwy 29[2]

NA when local weather not available.
[1]Category C, 800-2¼; Category D, 800-2½.
[2]Category D, 800-2½.

POCATELLO, ID

POCATELLO RGNL..... **ILS or LOC Rwy 21[1]**
RNAV (GPS) Rwy 3[2]
RNAV (GPS) Rwy 21[2]

[1]NA when control zone not in effect.
[2]NA when local weather not available.

PORT ANGELES, WA

WILLIAM R
FAIRCHILD INTL ..... **ILS or LOC Rwy 8**
RNAV (GPS) Rwy 8[1]
RNAV (GPS) Rwy 26

NA when local weather not available.
[1]Categories A, B, 1000-2; Categories C, D, 1000-3.

NAME ALTERNATE MINIMUMS

PORTLAND, OR

PORTLAND INTL ..... **ILS or LOC Rwy 10L[1]**
ILS or LOC Rwy 10R[2]
ILS or LOC Rwy 28L[3]
ILS or LOC Rwy 28R[4]
LOC/DME Rwy 21[5]
RNAV (GPS) Rwy 10L[5]
RNAV (GPS) Rwy 10R[6]
RNAV (GPS) Rwy 12[7]
RNAV (GPS) Rwy 28L[8]
RNAV (GPS) Rwy 28R[8]
VOR/DME Rwy 21[5]
VOR-A [9]
VOR Rwy 28R[5]

[1]ILS, Category A, 700-2; Categories B,C, 800-2; Category D, 1000-3. LOC, Category D, 1000-3.
[2]Categories A,B, 900-2; Category C, 900-2½; Category D, 1000-3; Category E, 1100-3.
[3]ILS, Category A, 700-2; Categories B,C, 800-2; Category D, 1000-3; Category E, 1100-3. LOC, Category D, 1000-3; Category E, 1100-3.
[4]ILS, Category A, 700-2; Categories B,C, 800-2; Category D, 1000-3.
LOC, Category D, 1000-3.
[5]Category D, 1000-3.
[6]Categories A,B,C 800-5; Category D, 1000-5.
[7]NA when local weather not available.
[8]Category D, 1000-3.
[9]Categories A,B, 900-2; Category C, 900-2½; Category D, 1000-3.

PORTLAND-HILLSBORO .. **ILS or LOC Rwy 12[1]**
RNAV (GPS) Rwy 12[2]

[1]Categories A,B, 1000-2;Category C, 1000-2¾; Category D, 1000-3.
[2]NA when local weather not available.

PORTLAND-TROUTDALE ..... **NDB or GPS-A**
Categories A,B, 1100-2; Category C, 1100-3; Category D, 1300-3.

PULLMAN/MOSCOW, WA

PULLMAN/MOSCOW
MUNI ..... **RNAV (GPS) Rwy 5,**800-2¼

RAWLINS, WY

RAWLINS MUNI/
HARVEY FIELD ..... **NDB or GPS-A[1]**
VOR or GPS Rwy 22,1000-3[2]

[1]Category D, 1000-3.
[2]NA when Rawlins FSS closed.

NAME ALTERNATE MINIMUMS

REDMOND, OR

ROBERTS FIELD ..... **ILS or LOC Rwy 22[1]**
VOR/DME Rwy 22[2]

[1]ILS,LOC,Category D,800-2¼; Category E, 800-2½.
[2]Category A, B, 1000-2; Category C, 1000-2¾; Category D, E, 1000-3.

RENTON, WA

RENTON MUNI ..... **NDB Rwy 16[1]**
RNAV (GPS) Y Rwy 16[2]
RNAV (GPS) Z Rwy 16[3]

NA when local weather not available.
[1]Categories A, B, 1000-2; Categories C, D, 1000-3.
[2]Categories A, B, 900-2; Category C, 900-2¾; Category D, 900-3.
[3]Categories A, B, 900-2.

REXBURG, ID

REXBURG-MADISON COUNTY ..... **RNAV (GPS) Rwy 35**

NA when local weather not available.
Category D, 800-2½.

RICHLAND, WA

RICHLAND ..... **NDB Rwy 19[1]**
RNAV (GPS) Rwy 19[1]
RNAV (GPS) Rwy 26[1]
VOR/DME-A[2]
VOR Rwy 26[1]

[1]Category D, 800-2½.
[2]Categories A,B, 900-2; Category C, 900-2¾; Category D, 900-3.

ROCK SPRINGS, WY

ROCK SPRINGS SWEETWATER COUNTY ..... **VOR-B**

Category D, 800-2¼.

ROSEBURG, OR

ROSEBURG RGNL ..... **RNAV (GPS)-B**

NA when local weather not available.
Categories A, B, 1200-2; Category C, 1200-3; Category D, 1400-3.

SALEM, OR

MCNARY FIELD ..... **ILS or LOC Rwy 31[12]**
LOC/DME Rwy 31[3]
RNAV (GPS) Rwy 31[13]

[1]NA when local weather not available.
[2]ILS, Categories A, B, 800-2; Category C, 800-2¼; Category D, 800-2½. LOC, Category C, 800-2¼; Category D, 800-2½.
[3]Category D, 800-2½.

NAME ALTERNATE MINIMUMS

SCAPPOOSE, OR

SCAPPOOSE INDUSTRIAL AIRPARK ..... **VOR/DME or GPS-A**

Category B, 900-2; Category C, 1000-2¾; Category D 1300-3.

SEATTLE, WA

BOEING FIELD-KING COUNTY INTL ..... **ILS Rwy 13R[1]**
ILS Rwy 31L[2]
LOC/DME Rwy 13R[3]
RNAV (GPS) Y Rwy 13R[4]
RNAV (RNP) Z Rwy 13R[5]

[1]ILS, Category A, 800-2; Category B, 900-2; Category C, 900-2½; Category D, 1000-3.
[2]Category A, 800-2; Category B, 900-2; Category C, 900-2½; Category D, 1000-3.
[3]Category B, 900-2; Category C, 900-2½; Category D, 1000-3.
[4]Category B, 900-2; Category C, 900-2¾; Category D, 1000-3.
[5]Categories A, B, C, D, 800-2¼.

SHERIDAN, WY

SHERIDAN COUNTY ..... **ILS or LOC/DME Rwy 32**
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32
VOR Rwy 14

NA when local weather not received.
Category D, 800-2¼.

SIDNEY, MT

SIDNEY-RICHLAND MUNI ..... **NDB Rwy 1[1]**
NDB Rwy 19[2]

[1]Category D, 800-2¼.
[2]Categories C,D, 800-2½.

SPOKANE, WA

FELTS FIELD ..... **ILS/DME Rwy 21R[1]**
RNAV (GPS)-A[2]
RNAV (GPS) Rwy 3L[2]
VOR Rwy 3L[3]

[1]Categories A,B, 1000-2;Category C, 1000-2¾.
[2]Categories A,B, 1000-2; Category C, 1000-2¾; Category D, 1000-3.
[3]Categories A,B, 1000-2; Categories C,D, 1000-3

SPOKANE INTL ..... **ILS or LOC Rwy 3[1]**
ILS or LOC/DME Rwy 21[1]
VOR Rwy 3[2]

[1]ILS, Category D, 700-2.
[2]Category E, 800-2½.

NAME ALTERNATE MINIMUMS

TACOMA, WA

TACOMA NARROWS ..... **ILS Rwy 17**[1]
NDB Rwy 35[1]
RNAV (GPS) Rwy 17[12]
RNAV (GPS) Rwy 35[23]

[1]NA when control tower closed.
[2]Category D, 800-2¼.
[3]NA when local weather not available.

THE DALLES, OR

COLUMBIA GEORGE RGNL/
THE DALLES MUNI ..... **RNAV (GPS)-A**
Categories A,B, 1100-2; Category C, 1100-3; Category D, 1200-3.

TWIN FALLS, ID

JOSLIN FIELD-MAGIC VALLEY
RGNL ..... **ILS or LOC Rwy 25**[1]
NDB Rwy 25
RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25
VOR Rwy 7[2]

NA when local weather not available.
[1]ILS, Category D, 700-2; Category E, 900-3. LOC, Category E, 900-3.
[2]Category C, 800-2¼; Category D, 800-2½.

WALLA WALLA, WA

WALLA WALLA RGNL ..... **ILS or LOC Rwy 20**[1]
NDB Rwy 20, 1000-3
RNAV (GPS) Rwy 2[23]
RNAV (GPS) Rwy 16[2]
RNAV (GPS) Rwy 20[2]
VOR/DME Rwy 2[2]

[1]ILS,LOC, Categories A,B, 1100-2; Categories C, D, 1100-3.
[2]Category D, 800-2½.
[3]NA when local weather not available.

NAME ALTERNATE MINIMUMS

WENATCHEE, WA

PANGBORN
MEMORIAL ..... **ILS Y Rwy 12,** 1300-4
VOR/DME-C[12]
VOR/DME-A[3]

[1]NA when local weather not available.
[2]Categories A, B, 1500-2; Categories C, D, 1500-3.
[3]Categories A, B, 2000-2; Categories C, D, 2000-3.

WOLF POINT, MT

L.M. CLAYTON ..... **RNAV (GPS) Rwy 11**
RNAV (GPS) Rwy 29

NA when local weather not available.

WORLAND, WY

WORLAND MUNI ..... **VOR or GPS Rwy 16**
Categories C,D, 800-2½.

YAKIMA, WA

YAKIMA AIR TERMINAL/
MCALLISTER FIELD ..... **ILS Y Rwy 27**[12]
ILS Z Rwy 27[13]
LOC/DME BC-B[14]
RNAV (GPS) Y Rwy 27[5]
RNAV (GPS) Z Rwy 27[4]
VOR/DME or TACAN Rwy 27[6]
VOR-A[7]

[1]NA when control tower closed.
[2]ILS, Categories A, B, 600-2¼; Category C, 700-2¼; Category D, 800-2¼.
[3]Category C, 700-2; Category D, 800-2¼
[4]Category D, 800-2¼.
[5]Category C, 800-2½; Category D, 800-2¾.
[6]Categories A, B, 1100-2; Categories C, D, 1100-3.
[7]Category C, 800-2¼; Category D, 800-2½.

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude , and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned a SID or radar vector by ATC, an ODP may be flown without ATC clearance to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military take-off minima, refer to appropriate service directives.

NAME TAKE-OFF MINIMUMS

AFTON, WY

AFTON MUNI

DEPARTURE PROCEDURE: **Rwy 16,** Use LUNDI DEPARTURE. **Rwy 34,** use AFTON DEPARTURE.

ALBANY, OR

ALBANY MUNI

DEPARTURE PROCEDURE: **Rwy 16,** turn right. **Rwy 34**, turn left. **All aircraft** climb direct CVO VOR/DME and continue climb in CVO VOR/DME holding pattern, (E, right turns, 261° inbound) to cross CVO VOR/DME at or above 3000.

ANACONDA, MT

BOWMAN FIELD

TAKE-OFF MINIMUMS: **Rwy 4,** std. w/ min. climb of 417' per NM to 9000, or 2800-3 for climb in visual conditions. **Rwy 16,** std. w/ min. climb of 321' per NM to 10200, or 2800-3 for climb in visual conditions. **Rwy 22,** NA-obstacles. **Rwy 34,** std. w/ min. climb of 369' per NM to 9100, or 2800-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 4, 34,** climbing right turn to 10200 via heading 130° and CPN VOR/DME R-340 to CPN VOR/DME, continue climb-in-hold to 10200 (north, left turn, 166° inbound), or for climb in visual conditions, cross Bowman Field Airport at or above 7700 then proceed via CPN R-309 to CPN VOR/DME, continue climb-in-hold to 10200 (north, left turn, 166° inbound).

NAME TAKE-OFF MINIMUMS

BOWMAN FIELD(CON'T)

Rwy 16, climbing left turn to 10200 via heading 100° and CPN VOR/DME R-335 to CPN VOR/DME, continue climb-in-hold to 10200 (north, left turn, 166° inbound), or for climb in visual conditions, cross Bowman Field Airport at or above 7700 then proceed via CPN R-309 to CPN VOR/DME, continue climb-in-hold to 10200 (north, left turn, 166° inbound).

NOTE: **Rwy 16,** multiple trees beginning 865' from departure end of runway, 243' left of centerline, up to 70' AGL/5097' MSL. Rod on hangar 570' from departure end of runway, 278' left of centerline, 54' AGL/5054' MSL. Multiple trees beginning 787' from departure end of runway, 165' right of centerline, up to 70' AGL/5098' MSL. Multiple transmission lines beginning 4602' from departure end of runway, 1664' right of centerline, 80' AGL/5159' MSL. **Rwy 34,** multiple transmission lines beginning 2242' from departure end of runway, 964' left of centerline, up to 80' AGL/5159' MSL.

ARCO, ID

ARCO-BUTTE COUNTY (AOC)

AMDT 1 08157 (FAA)

TAKE-OFF MINIMUMS: **Rwy 6,** NA - Obstacles.

DEPARTURE PROCEDURE: Use JATTS DEPARTURE.

ARLINGTON, WA

ARLINGTON MUNI

TAKE-OFF MINIMUMS: **Rwy 11,** 600-2 or std. with a min. climb of 350' per NM to 700. **Rwy 34,** 500-2 or std. with a min. climb of 260' per NM to 700.

DEPARTURE PROCEDURE: **Rwy 11,** turn right. **Rwy 16**, climb direct to WATON LOM. **Rwys 29,34**, turn left. **All aircraft** climb direct to WATON LOM. Aircraft departing WATON LOM on bearings 150° CW 200° and bearings 260° CW 340° from WATON LOM continue climb on course. Aircraft departing WATON LOM on bearings 340° CW 150° from WATON LOM climb in holding pattern (S, left turns, 339° inbound) to 4500 then continue climb on course. Aircraft departing WATON LOM on bearings 200° CW 260° from WATON LOM climb in holding pattern (S, left turns, 339° inbound) to 1500 then continue climb on course.

ASTORIA, OR

ASTORIA RGNL

TAKE-OFF MINIMUMS: **Rwy 8**, 800-3 or std. with a min. climb of 320' per NM to 900. **Rwy 13**, 700-2 or std. with a min. climb of 350' per NM to 800.

DEPARTURE PROCEDURE: **Rwys 8,31,** turn left. **Rwy 13**, climb runway heading to 800 then climbing right turn. **Rwy 26**, turn right. Aircraft departing northwestbound climb via AST R-290 on course. **All other aircraft** climb to 1500 or above via AST R-290 then left turn to AST VOR/DME and continue climbing on course.

AUBURN, WA

AUBURN MUNI

DEPARTURE PROCEDURE: Use AUBURN DEPARTURE.

AURORA, OR

AURORA STATE

DEPARTURE PROCEDURE: **Rwy 17**, turn right, thence... **Rwy 35**, turn left, thence... ...Aircraft proceeding via V23 climb on course; All others climb in UBG VOR/DME holding pattern (hold south, left turn, 003° inbound) to cross UBG VOR/DME at or above MEA/MCA for direction of flight.

NOTE: **Rwy 17,** multiple trees 31' from departure end of runway, 273' right of centerline, up to 90' AGL/270' MSL. Multiple trees beginning 979' from departure end of runway, 247' right of centerline up to 113' AGL/316' MSL. Road 254' from departure end of runway, 350' left of centerline, 16' AGL/209' MSL. **Rwy 35,** multiple trees and road beginning 31' from departure end of runway, 163' left of centerline, up to 138' AGL/329' MSL. Multiple trees beginning 973' from departure end of runway, 281' right of centerline, up to 58' AGL/253' MSL.

BAKER, MT

BAKER MUNI

NOTE: **Rwy 13,** 51' derrick 2200' from departure end of runway on centerline. 100' trees south of airport, near runway, various locations. **Rwy 31,** 146' antenna on tower 4000' from departure end of runway, 1800' left of centerline. 114' rod on OL antenna 3800' from departure end of runway on centerline.

BAKER CITY ,OR

BAKER CITY MUNI

TAKE-OFF MINIMUMS: **Rwy 8**, 900-2 or std. with a min. climb of 315' per NM to 6000, (788' per min. at 150K, 1050' per min. at 200K, 1313' per min. at 250K). **Rwy 13**, 1400-2 or std. with a min. climb of 310' per NM to 6000 (775' per min. at 150K, 1033' per min. at 200K, 1292' per min. at 250K). **Rwy 17**, NA. **Rwy 31**, 1300-2 or std. with a min. climb of 240' per NM to 6000 (600' per min. at 150K, 800' per min. at 200K, 1000' per min. at 250K). **Rwy 35**, CAT C,D 1000-2; or std. with a min. climb of 240' per NM to 6000 (600' per min. at 150K, 800' per min. at 200K, 1000' per min. at 250K).

DEPARTURE PROCEDURE: **Rwys 8,13**, turn left. **Rwys 26,31,35,** turn right. **All aircraft** climb direct BKE VOR/DME. Continue climb in BKE holding pattern (SE, right turns, 298° inbound) to cross BKE VOR/DME at or above MCA or MEA for route of flight.

BELLINGHAM, WA

BELLINGHAM INTL

DEPARTURE PROCEDURE: **Rwy 16,** climb heading 160° to 600, then climbing right turn direct HUH VORTAC. Do not exceed 210 KIAS until established northbound. **Rwy 34,** climb heading 340° to 600, then climbing left turn to intercept HUH R-145 to HUH VORTAC, continue climb in holding pattern (northwest, right turn, 149° inbound) to MEA as appropriate for direction of flight.

NOTE: **Rwy 16,** lighted windsock 9' from departure end of runway, 259' right of centerline, 16' AGL/181' MSL. Multiple trees beginning 747' from departure end of runway, 405' right of centerline, up to 68' AGL/213' MSL. Multiple trees beginning 1128' from departure end of runway, 57' left of centerline, up to 104' AGL/249' MSL. **Rwy 34,** lighted windsock 93' from departure end of runway, 516' right of centerline, 27' AGL/169' MSL. multiple trees beginning 1372' from departure end of runway, 619' right of centerline, up to 134' AGL/246' MSL.

BEND, OR

BEND MUNI (BDN)
AMDT 4 09183 (FAA)

DEPARTURE PROCEDURE: Use BEND DEPARTURE.

BIG PINEY, WY

MILEY MEMORIAL FIELD

TAKE-OFF MINIMUMS: **Rwys 8,26,** NA.

DEPARTURE PROCEDURE: **Rwy 13,** climb to 8400 via BPI R-124. **Rwy 31,** climb to 10800 via BPI R-320 thence all aircraft climb on course.

BILLINGS, MT

BILLINGS LOGAN INTL (BIL)
AMDT 5 08101 (FAA)

TAKE-OFF MINIMUMS: **Rwy 10R,** NA- Obstacles.

DEPARTURE PROCEDURE: **Rwy 10L,** Climb heading 098° to 4600 before turning right.

NOTE: **Rwy 10L,** fence 466' from departure end of runway, 535' right of centerline, 11' AGL/3511' MSL, cars on road, beginning from 624' from departure end of runway, 427' right of centerline, 15' AGL/3523' MSL, ground beginning 21' from departure end of runway, 499' right of centerline, 0' AGL/3505' MSL. **Rwy 25,** airport security fence, abeam departure end of runway, 500' left of centerline, 11' AGL/3672' MSL to 1200' from departure end of runway, abeam rwy centerline, 11' AGL/3672' MSL.

BLACKFOOT, ID

MCCARLEY FIELD

DEPARTURE PROCEDURE: **Rwy 1,** climb to 7000 (or higher assigned altitude) direct IDA VOR/DME, before proceeding on course. **Rwy 19,** climb to 7000 (or higher assigned altitude) direct PIH VORTAC, before proceeding on course.

BOISE,ID

BOISE AIR TERMINAL (GOWEN FIELD)

DEPARTURE PROCEDURE: **Rwys 28L,28R,** turn left **Rwys 10L,10R**, turn right. Climb on BOI R-214 within 20 NM to cross BOI VORTAC at or above MEA/MCA for direction of flight.

BOZEMAN,MT

GALLATIN FIELD (BZN)
AMDT 3 08213 (FAA)

TAKE-OFF MINIMUMS: **Rwys 3, 21**, NA-ATC.

DEPARTURE PROCEDURE: **Rwys 12, 30,** use BOZEMAN DEPARTURE.

BREMERTON,WA

BREMERTON NATIONAL (PWT)
AMDT 3 08045 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1,** 300-1 or std. w/ min. climb of 410' per NM to 700.

DEPARTURE PROCEDURE: **Rwy 1,** Climbing right turn to 6000 direct CAN NDB, Thence...**Rwy 19,** Climb to 6000 direct CAN NDB, thence...

...Continue climb-in-hold (S, LT, 013° inbound) to 6000 before proceeding on course.

NOTES: **Rwy 1,** Multiple bushes 380' from departure end of runway, 522' left of centerline, up to 17' AGL/456' MSL, multiple trees and poles beginning 1210' from departure end of runway, 622' left of centerline, up to 100' AGL/561' MSL, multiple trees and bushes 1012' from departure end of runway, 708' right of centerline, up to 100' AGL/495' MSL. **Rwy 19,** Multiple trees beginning 176' from departure end of runway, 337' left of centerline, up to 100' AGL/514' MSL, multiple trees beginning 371' from departure end of runway, 277' right of centerline, up to 100' AGL/548' MSL.

BUFFALO,WY

JOHNSON COUNTY

TAKE-OFF MINIMUMS: Northbound aircraft: **Rwys 13,31,** 2400-2 or std. with a min. climb of 300' per NM to 7500. Southbound aircraft: **Rwy 31**, 400-2 or std. with a min climb of 300' per NM to 6000.

DEPARTURE PROCEDURE: Northbound aircraft: **Rwy 13**, turn left. **Rwy 31,** climb straight ahead. **All aircraft** proceed via SHR R-139 to SHR VORTAC. Southbound aircraft: **Rwy 13,** climb straight ahead. **Rwy 31,** turn right. **All aircraft** proceed via CZI R-319 to CZI VOR/DME.

BURLEY, ID

BURLEY MUNI

TAKE-OFF MINIMUMS: **All runways,** cross departure end of runway at or above 35' AGL.

DEPARTURE PROCEDURE: **All runways,** climb direct BURLEY (BYI) VOR/DME. Continue climb on R-305 within 10 miles to cross BYI VOR/DME: R-024 CW R-054 at or above 5500; R-055 CW R-240 at or above 8000; R-241 CW R-023 at or above 5900.

NOTE: **Rwy 2,** bridge 252' from departure end of runway, 513' left of centerline, 110' AGL/4195' MSL. Stack 2205' from departure end of runway, 857' right of centerline, 79' AGL/4236' MSL. Elevator 4092' from departure end of runway, 297' right of centerline, 133' AGL/4283' MSL. **Rwy 20,** antenna 523' from departure end of runway, 338' right of centerline, 43' AGL/4217' MSL. **Rwy 24**, tree 630' from departure end of runway, 521' right of centerline, 41' AGL/4215' MSL. Grain elevator 3106' from departure end of runway, 163' left of centerline, 137' AGL/4317' MSL.

BURLINGTON/MOUNT VERNON, WA

SKAGIT RGNL (BVS)
ORIG-A 08297 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4,** 3000-2 or std. with a min. climb of 340' per NM to 3600. **Rwy 10**, 1700-2 or std. with a min. climb of 245' per NM to 2300. **Rwy 22**, 1300-2 or std. with a min. climb of 210' per NM to 1800.

DEPARTURE PROCEDURE: **Rwys 4,10,22**, turn right heading 280°. **Rwy 28**, climb runway heading.

All aircraft climb to 2500 then turn right direct BVS NDB to cross BVS at or above 4500. Aircraft departing on BVS R-145 CW R-330 climb on course. All others continue climbing in BVS holding pattern (NW, right turns 113° inbound) to cross BVS at or above 6800 before proceeding on course.

NOTE: **Rwy 4,** tree 2581' from departure end of runway, 426' left of centerline, 100' AGL/212' MSL. Light pole 1489' from departure end of runway, 136' left of centerline 35' AGL/137' MSL. Bush 126' from departure end of runway, 430' right of centerline, 20' AGL/101' MSL. Building 2925' from departure end of runway, 130' left of centerline, 60' AGL/180' MSL.

BURNS, OR

BURNS MUNI

DEPARTURE PROCEDURE: **Rwy 3,** climbing right turn, thence... **Rwy 12**, climb to 4600 via heading 117°, thence... **Rwys 21, 30,** climbing left turn, thence... ...All aircraft departing on ILR R-072 CW R-209, climb on course. All others climb on ILR R-123 within 10 NM to cross ILR VOR/DME at or above 5000.

NOTE: **Rwy 21,** pole 820' from departure end of runway, 357' left of centerline, 20' AGL/4169' MSL.

BUTTE, MT

BERT MOONEY

TAKE-OFF MINIMUMS: **Rwy 11**, NA-obstacles. **Rwy 15,** std. w/ min. climb of 601' per NM to 7300, or 3300-3 for climb in visual conditions. **Rwy 29,** std. w/ min. climb of 832' per NM to 6700, or 3300-3 for climb in visual conditions. **Rwy 33,** std. w/ min. clim b of 355' per NM to 6800, or 3300-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 15,** climbing right turn direct CPN VOR/DME, or for climb in visual conditions: Cross Bert Mooney Airport westbound at or above 8800 then proceed direct CPN VOR/DME, thence. . .**Rwy 29,** climb heading 293° to intercept CPN VOR/DME R-082 to CPN VOR/DME, or for climb in visual conditions: Cross Bert Mooney Airport westbound at or above 8800 then proceed direct CPN VOR/DME, thence. . . **Rwy 33,** climb direct CPN VOR/DME, or for climb in visual condtions: Cross Bert Mooney Airport westbound at or above 8800 then proceed direct CPN VOR/DME, thence. . .

. . .climb in CPN VOR/DME holding pattern (hold north, left turn, 166° inbound) to cross CPN VOR/DME at or above MEA before proceeding enroute.

NOTE: **Rwy 15,** multiple trees beginning 2 NM from departure end of runway, 1779' right of centerline, up to 100' AGL/6659' MSL. Tree 2.1 NM from departure end of runway, 66' left of centerline, 100' AGL/5934' MSL. **Rwy 29,** multiple trees and poles beginning 364' from departure end of runway, 7' right of centerline, up to 100' AGL/5621' MSL. Multiple trees and lights beginning 322' left of centerline, up to 100' AGL/5582' MSL. Terrain and numerous trees beginning 1.2 NM from departure end of runway, 1022' left of centerline, up to 100' AGL/6 379' MSL. **Rwy 33,** flag pole 1095' from departure end of runway, 730' left of centerline, 64' AGL/ 5583' MSL.

CALDWELL, ID

CALDWELL INDUSTRIAL

TAKE-OFF MINIMUMS: **Rwy 12,** std. with a min. climb of 300' per NM to 5600, or 2400-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 12,** climb via heading 119° to 5600 before proceeding on course. For climb in visual conditions: Cross Caldwell Industrial Airport at or above 4800 before proceeding on course. **Rwy 30,** climb via heading 299° to 4400 before proceeding on course.

NOTE: **Rwy 12,** levee 198' from departure end of runway, 281' left of centerline, 0' AGL/2451' MSL. Multiple trees 1462' from departure end of runway, 877' right of centerline, up to 100' AGL/2505' MSL. **Rwy 30,** multiple poles 206' from departure end of runway, 389' right of centerline, up to 39' AGL/2457' MSL. Rod 353' from departure end of runway, 246' right of centerline, 21' AGL/2439' MSL.

CASPER, WY

CASPER/NATRONA COUNTY INTL (CPR)

AMDT 3A 09155 (FAA)

DEPARTURE PROCEDURE: **Rwys 3,8,12**, turn left. **All other runways,** turn right. **All aircraft** climb direct DDY VORTAC before proceeding on course, or comply with published Casper SIDs.

CHEHALIS, WA

CHEHALIS-CENTRALIA

DEPARTURE PROCEDURE: **Rwy 16,** climb to 1000 via heading 160° then climbing left turn to 4000 via heading 001° and OLM R-151 to OLM VORTAC before proceeding on course. **Rwy 34,** climb to 4000 via heading 340° and OLM R-176 to OLM VORTAC before proceeding on course.

CHEYENNE, WY

CHEYENNE RGNL/JERRY OLSON FIELD

NOTE: **Rwy 13,** multiple trees beginning 74' from departure end of runway, 115' left of centerline, up to 40' AGL/6166' MSL. Multiple trees, pole, and fence beginning 34' from departure end of runway, 167' right of centerline, up to 40' AGL/6154' MSL. **Rwy 27,** multiple trees and poles beginning 525' from departure end of runway, 271' left of centerline, up to 40' AGL/6216' MSL. Multiple trees and poles beginning 1222' from departure end of runway, 275' right of centerline, up to 40' AGL/ 6211' MSL. **Rwy 31.** multiple trees, road, fence and sign beginning 196' from departure end of runway, 76' left of centerline, up to 40' AGL/6238' MSL. Multiple poles and sign beginning 407' from departure end of runway, 8' left of centerline, up to 69' AGL/6229' MSL.

CODY, WY

YELLOWSTONE RGNL

TAKE-OFF MINIMUMS: **Rwy 4**, 1500-2 or std. with a min. climb of 250' per NM to 6800. **Rwy 22**, 1600-2 or std. with a min. climb of 340' per NM to 6200.

DEPARTURE PROCEDURE: **Rwys 4, 22**, turn left. **All aircraft** climb direct COD VOR/DME. Climb in COD VOR/DME holding pattern (N, left turns, 189° inbound) to cross COD VOR/DME at or above: COD R-350 CW R-170, 6000; or R-171 CW R-349, 11800.

COEUR D'ALENE, ID

COEUR D'ALENE-PAPPY BOYINGTON FLD

TAKE-OFF MINIMUMS: **Rwy 5**, CAT A,B, 1700-2 or std. with a min. climb of 230' per NM to 4000. CAT C,D, 2600-2 or std. with a min. climb of 320' per NM to 5400.

DEPARTURE PROCEDURE: **Rwys 1,5**, turn left, climb via COE R-005 to 5400, reverse course, continue climb direct COE VOR. **Rwy 19**, turn right. **Rwy 23,** turn left, climb via COE R-232 to 5000, reverse course, continue climb direct COE VOR.

COLSTRIP, MT

COLSTRIP (M46)

AMDT 2 08157 (FAA)

TAKE-OFF MINIMUMS: **Rwy 6** use CISPU (RNAV) DEPARTURE. **Rwy 24,** use CONUK (RNAV) DEPARTURE.

CONRAD, MT

CONRAD

DEPARTURE PROCEDURE: **Rwy 24,** climb runway heading to 4300, then continue climb on course.

CORVALLIS, OR

CORVALLIS MUNI

TAKE-OFF MINIMUMS: **Rwys 9, 17, 35,** std. with a min. climb of 290' per NM to 3100 or 1700-3 for climb in visual conditions. **Rwy 27,** std. with a min. climb of 310' per NM to 3100 or 1700-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 9, 17,** climbing left turn direct CVO VOR/DME, thence...or, climb in visual conditions to cross CVO VOR/DME at or above 3400. **Rwys 27, 35,** climbing right turn direct CVO VOR/DME, thence...or, climb in visual conditions to cross CVO VOR/DME at or above 3400.

...climb in CVO VOR/DME holding pattern (E, RT, 261° inbound) to depart at or above 3400.

NOTE: **Rwy 9,** multiple trees and railroad beginning 549' from departure end of runway, 254' left of centerline, up to 153' AGL/383' MSL. Multiple trees and railroad beginning 670' from departure end of runway, 5' right of centerline, up to 135' AGL/380' MSL. **Rwy 27,** obstruction light on glideslope 409' from departure end of runway, 325' left of centerline, 28' AGL/273' MSL. **Rwy 35,** multiple trees beginning 470' from departure end of runway, 544' left of centerline up to 36' AGL/276' MSL.

COWLEY/LOVELL/BYRON, WY

NORTH BIG HORN COUNTY

DEPARTURE PROCEDURE: **Rwys 9, 27**, aircraft departing via HCY NDB bearings 130° CW 225° climb on course, all others climb in HCY NDB holding pattern (W, right turns, 078° inbound) to cross HCY NDB at or above 9000.

DEER PARK, WA

DEER PARK

TAKE-OFF MINIMUMS: **Rwy 4,** 3000-2 or std. with a min. climb of 360' per NM to 5600.

DEPARTURE PROCEDURE: **Rwy 16,** climb runway heading; **Rwy 22,** climbing left turn to heading 130°; **Rwys 4,34,** climbing right turn to heading 210°; **All aircraft** intercept and continue climb via the 170° bearing from DPY NDB to intercept GEG R-006 to GEG VORTAC.

DILLON, MT

DILLON

TAKE-OFF MINIMUMS: **Rwys 3,21,** NA.

DEPARTURE PROCEDURE: **Rwys 16,34**, turn right, climb in DLN VOR/DME holding pattern (N, right turns, 185° inbound) to cross DLN VOR/DME at or above; northwestbound V257 8500; southwestbound V121 8500; northbound V21 7600; southeastbound V21, V257 9400.

DOUGLAS, WY

CONVERSE COUNTY

TAKE-OFF MINIMUMS: **Rwy 5,** 300-2 or std. with a min. climb of 250' per NM to 5200. **Rwy 23,** 1700-3 or std. with a min. climb of 260' per NM to 7200.

DEPARTURE PROCEDURE: **Rwy 5,** climbing right turn via IIP VOR/DME R-342 to IIP VOR/DME. **Rwy 11,** climbing right turn via IIP VOR/DME R-312 to IIP VOR/DME. **Rwy 23,** climbing left turn via IIP VOR/DME R-264 to IIP VOR/DME. **Rwy 29,** climbing right turn via IIP VOR/DME R-325 to IIP VOR/DME. **All aircraft** departing IIP R-253 CW R-180 climb on course. All others continue climb in IIP VOR/DME holding pattern (NW, left turns, 125° inbound) to cross IIP VOR/DME at or above: R-181 CW R-199 9600; R-200 CW R-252 8000.

NOTE: **Rwy 5,** trees 1883' from departure end of runway, 549' right of centerline, 35' AGL/5014' MSL. Trees 3407' from departure end of runway, 209' right of centerline, 35' AGL/5074' MSL. Trees 5458' from departure end of runway, 1954' right of centerline, 35' AGL/5132' MSL. **Rwy 23,** trees 2068' from departure end of runway, 1008' left of centerline, 35' AGL/4994' MSL. Trees 3130' from departure end of runway, 1215' left of centerline, 35' AGL/5014' MSL.

DRIGGS, ID

DRIGGS-REED MEMORIAL (DIJ)

AMDT 2 08157 (FAA)

DEPARTURE PROCEDURE: Use LAMON DEPARTURE.

EASTSOUND, WA

ORCAS ISLAND (ORS)

AMDT 1 09351 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16,** NA-Terrain. **Rwy 34,** 500-3 or std. w/ min. climb of 224' per NM to 600.

DEPARTURE PROCEDURE: **Rwy 34,** climbing right turn to 2000 to intercept HUH VORTAC R-210 to HUH VORTAC, then climb-in-hold (hold South, Left turns, 352° inbound) to cross HUH VORTAC at or above 3800 before proceeding on course.

NOTE: **Rwy 34,** trees beginning 330' from DER, 411' left of centerline, up to 120' AGL/139' MSL.

ELLENSBURG, WA

BOWERS FIELD

TAKE-OFF MINIMUMS: **Rwys 7,11,** 4600-3 or std. with a min. climb of 290' per NM to 7800. **Rwy 25,** 4700-3 or std. with a min. climb of 340' per NM to 7800. **Rwy 29,** 4600-3 or std. with a min. climb of 320' per NM to 7800.

DEPARTURE PROCEDURE: **Rwys 7, 29,** climbing right turn direct ELN VORTAC. **Rwys 11, 25,** climbing left turn direct ELN VORTAC. **All aircraft,** continue climbing in the ELN VORTAC holding pattern (W, right turns, 087° inbound) to MEA/MOCA for route of flight.

EPHRATA, WA

EPHRATA MUNI (EPH)

AMDT 3 09127 (FAA)

TAKE-OFF MINIMUMS: **Rwy 29,** NA-Obstacles.

DEPARTURE PROCEDURE: **Rwy 3,** climb heading 027° to 2300 before proceeding on course. **Rwy 11,** climb heading 112° to 2200 before proceeding on course. **Rwy 21,** climb heading 207° to 2800 before proceeding on course.

EUGENE, OR

MAHLON SWEET FIELD

DEPARTURE PROCEDURE: **Rwys 16L, 16R,** climb to 1000 then climbing right turn...**Rwys 34L, 34R,** climb to 1000 then climbing left turn...

...all aircraft climb direct EUG VORTAC, then climb in EUG VORTAC holding pattern (hold north, right turn, 175° inbound) to cross EUG VORTAC at or above MEA altitude before proceeding enroute.

NOTE: **Rwy 16R,** tree 1992' from departure end of runway, 832' left of centerline, 50' AGL/419' MSL. **Rwy 16L,** multiple trees and power poles beginning 872' from departure end of runway, 35' right of centerline, up to 50' AGL/437' MSL, multiple trees and power poles beginning 890' from departure end of runway, 77' left of centerline, up to 50' AGL/433' MSL. **Rwy 34R,** multiple trees beginning 2869' from departure end of runway, 186' right of centerline, up to 50' AGL/447' MSL. Tree 2535' from departure end of runway, 652' left of centerline, 50' AGL/428' MSL.

EVANSTON, WY

EVANSTON-UINTA COUNTY BURNS FIELD

DEPARTURE PROCEDURE: **Rwy 5**, climb via heading 050° and FBR VOR/DME R-243 to FBR VOR/DME.

Rwy 23, climbing left turn via heading 030° and FBR VOR/DME R-243 to FBR VOR/DME.

All aircraft: cross FBR VOR/DME at or above MEA for direction of flight.

EVERETT, WA

SNOHOMISH COUNTY (PAINE FIELD)

TAKE-OFF MINIMUMS: **Rwy 29,** std. with a min. climb of 353' per NM to 800.

DEPARTURE PROCEDURE: **Rwys 11, 16L/R,** climbing right turn, thence...**Rwys 29, 34L/R,** climbing left turn, thence...

...for aircraft departing via V287 west bound, climb via PAE VOR/DME R-236 to 3000. All others, climb direct PAE VOR/DME, climb in PAE VOR/DME holding pattern (NW, RT, 149° inbound) to MEA for route of flight before proceeding on course.

NOTE: **Rwy 11,** multiple antennas on building, rod on obstruction light, and trees beginning 326' from departure end of runway, 387' right of centerline, up to 85' AGL/664' MSL. Tree 1156' from departure end of runway, 600' left of centerline, 93' AGL/672' MSL. **Rwy 16L,** multiple trees and pole beginning 588' from departure end of runway, 220' left of centerline, up to 118' AGL/697' MSL. Multiple trees, pole, and building beginning 449' from departure end of runway, 162' right of centerline, up to 78' AGL/657' MSL. **Rwy 16R,** multiple trees beginning 1228' from departure end of runway, 168' left of centerline, up to 140' AGL/699' MSL. Multiple trees beginning 707' from departure end of runway, 158' right of centerline, up to 118' AGL/687' MSL. **Rwy 29,** multiple trees beginning 45' from departure end of runway, 66' left of centerline, up to 111' AGL/630' MSL. Multiple trees beginning 343' from departure end of runway, 44' right of centerline, up to 110' AGL/689' MSL. **Rwy 34R,** multiple trees and pole beginning 3340' from departure end of runway, 180' right of centerline, up to 95' AGL/674' MSL. Tree 5762' from departure end of runway, 221' left of centerline, 103' AGL/682' MSL.

FAIRCHILD AFB (KSKA)

SPOKANE, WA . . . . . ORIG, 08017

DEPARTURE PROCEDURES: **Rwy 5**, climb on track 048° to intercept SKA R-045 to 5300, then on course. **Rwy 23**, climb on track 241° to 3400, then on course.

TAKE-OFF OBSTACLES: **Rwy 23**, Terrain 2468' MSL, 194' from DER, 405' right of centerline. Terrain 2477' MSL, 461' from DER, 751' right of centerline. Terrain 2477' MSL, 509' from DER, 750' right of centerline.

FORT BENTON, MT

FORT BENTON

TAKE-OFF MINIMUMS: **Rwys 5, 23,** std. w/ min. climb of 274' per NM to 8900 or 5100-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 5, 23,** for climb in visual conditions: Cross Fort Benton Airport at or above 8900 MSL before proceeding on course.

FORT BRIDGER, WY

FORT BRIDGER

DEPARTURE PROCEDURE: **All aircraft** climb direct FBR VOR/DME. Aircraft departing; FBR R-210 CW R-135 climb on course; FBR R-136 CW R-209 cross FBR VOR/DME at or above 9000. (Hold NE, right turns, 215° inbound).

FRIDAY HARBOR, WA

FRIDAY HARBOR

TAKE-OFF MINIMUMS: **Rwy 34,** 500-1.

DEPARTURE PROCEDURE: Aircraft departing FHR NDB **Rwy 34,** climbing right turn direct FHR NDB, then climb on course. All other aircraft climb on course.

GILLETTE, WY

GILLETTE-CAMPBELL COUNTY (GCC)

AMDT 4 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16,** std. w/ min. climb of 275' per NM to 5600, or 1200-3 for climb in visual conditions. **Rwy 21,** 600-3 or std. w/ min. climb of 425' per NM to 5200.

DEPARTURE PROCEDURE: **Rwy 16,** climb via heading 158° to 5100, before proceeding on course or, for climb in visual conditions cross Gillette-Campbell County airport at or above 5400 before proceeding on course. **Rwy 21,** climb via heading 206° to 5200, before proceeding on course.

NOTE: **Rwy 3,** windsock 1415' from DER, 100' left of centerline, 24' AGL/4366' MSL. Trees beginning 1976' from DER, 267' right of centerline, up to 30' AGL/4409' MSL. **Rwy 16,** tower and poles beginning 1.61 NM from DER, 1264' left of centerline, up to 57' AGL/4696' MSL. Post and trees beginning 1.77 NM from DER, 300' right of centerline, up to 51' AGL/4789' MSL. **Rwy 21,** fence 328' from DER, 267' left of centerline, 7' AGL/4352' MSL, trees 2077' from DER, 1011' right of centerline, 30' AGL/4449' MSL, tree 7029' from DER, 2378' right of centerline, 30 ' AGL/4729' MSL. **Rwy 34,** fence 1236' from DER, 723' left of centerline, 16' AGL/4380' MSL. Vehicle on road 1609' from DER, 419' left of centerline, 15' AGL/4394 ' MSL. Trees 3093' from DER, 936' right of centerline, 30' AGL/4449 ' MSL. Vehicle on road 1610' from DER. 419' left of centerline, 15' AGL/4380' MSL.

GOODING, ID

GOODING MUNI (GNG)
ORIG 08269 (FAA)

DEPARTURE PROCEDURE: **Rwy 7,** climb heading 068° to 5000 before turning left. **Rwy 25,** climb heading 233° to 5600 before turning right.

NOTE: **Rwy 7,** rising terrain 59' from departure end of runway, 479' right of centerline, up to 3754' MSL. Fence line 653' from departure end of runway, 332' right of centerline, 12' AGL up to 3751' MSL. Bushes starting 877' from departure end of runway, 420' right of centerline, 20' AGL up to 3795' MSL. **Rwy 25,** vehicle on road, 91' from departure end of runway, 257' left of centerline, up to 10' AGL/3678' MSL.

GRANGEVILLE, ID

IDAHO COUNTY (S80)
AMDT 1 08157 (FAA)

TAKE-OFF MINIMUMS: **Rwy 7,** NA - Obstacles.

DEPARTURE PROCEDURE: **Rwy 25,** Use MELLR DEPARTURE.

GRANTS PASS, OR

GRANTS PASS

TAKE-OFF MINIMUMS: **Rwy 12,** NA. **Rwy 30,** 4000-3 or std. with a min. climb of 360' per NM to 5000.

DEPARTURE PROCEDURE: **Rwy 30,** climb via heading 320 until passing 5000, then climbing right turn direct RBG VOR/DME. Cross RBG VOR/DME at or above MEA for route of flight.

GRAY AAF (KGRF)

FORT LEWIS, WA

. . . . . Rwy 15, 300-1*
Rwy 33, 300-1**

* Or standard with minimum climb of 430/NM to 500.
** Or standard with minimum climb of 380/NM to 600.
Rwy 15 climb runway heading to 700 then climbing left turn direct GR LOM. Rwy 33 climb runway heading direct GR LOM. Aircraft departing 330° CW 070° and 135° CW 260° bearing from GR LOM climb on course. All others continue climb in GR holding pattern (Hold NW, RT, 147° inbound) to cross GR LOM at or above: 071° CW 134° bearing from GR LOM, 8500; 261° CW 329° bearing from GR LOM, 1500.

GREAT FALLS, MT

GREAT FALLS INTL

NOTE: **Rwy 7,** obstruction light on lighted wind sock 237' from departure end of runway, 519' left of centerline, 34' AGL/3694' MSL. Obstruction light on building 2226' from departure end of runway, 614' left of centerline, 78' AGL/3738' MSL. Building on 681' from departure end of runway, 583' right of centerline, 48' AGL/3688' MSL. Multiple light poles beginning 1359' from departure end of runway, 440' right of centerline, up to 90' AGL/3746' MSL. **Rwy 21,** pole 1544' from departure end of runway, 791' left of centerline, 45' AGL/3725' MSL. **Rwy 25,** windmill 2.3 NM from departure end of runway, 4197' right of centerline, 338' AGL/4003' MSL.

GREYBULL, WY

SOUTH BIG HORN COUNTY (GEY)
ORIG-A 09239 (FA)

TAKE-OFF MINIMUMS: **Rwy 25,** 300-1 or std. w/ min. climb of 260' per NM to 4200.

DEPARTURE PROCEDURE: **All runways**, for departures on GEY bearings 320° CW 150°, climb in GEY NDB holding pattern to 9000 before departing on course, then continue climb to MEA or assigned altitude. Departures GEY bearings 150° CW 320° climb on course.

NOTE: **Rwy 25,** bush 4955' from DER, 1268' right of centerline, 2' AGL/4101' MSL.

GUERNSEY, WY

CAMP GUERNSEY

TAKE-OFF MINIMUMS: **Rwy 14,** 300-1 or std. with a min. climb of 320' per NM to 4700. **Rwy 32,** 1400-2 or std. with a min. climb of 320' per NM to 5800.

DEPARTURE PROCEDURE: **Rwy 14,** climb to 5600 via heading 150°. **Rwy 32,** climb to 5800 via heading 070°. **All aircraft** continue on course.

HAILEY, ID

FRIEDMAN MEMORIAL

TAKE-OFF MINIMUMS: **Rwy 13,** 2700-3 w/ min. climb of 307' per NM to 6400, or 3600-3 for climb in visual conditions. **Rwy 31,** NA-obstacles.

DEPARTURE PROCEDURE: **Rwy 13,** Climbing right turn heading 149°, then on 160° course to HLE NDB, or for climb in visual conditions: cross Friedman Memorial Airport at or above 8800 heading 151°, then on 151° course to HLE NDB.

NOTE: **Rwy 13,** multiple trees beginning 763' from departure end of runway, 3' right of centerline, up to 100' AGL/5345' MSL. Multiple trees beginning 1.3 NM from departure end of runway, 2587' right of centerline, up to 100' AGL/6099' MSL.

HAMILTON, MT

RAVALLI COUNTY

DEPARTURE PROCEDURE: Use HAMEY RNAV DEPARTURE.

HAVRE,MT

HAVRE CITY-COUNTY (HVR)
AMDT 3 09351 (FAA)

TAKE-OFF MINIMUMS: **Rwy 8,** 300-1¾ or std. w/ min. climb of 217' per NM to 3300.

DEPARTURE PROCEDURE: **Rwy 3,** climb heading 032° to 3300 then climbing left turn to 8000 direct HVR VOR/DME thence...**Rwy 8,** climb heading 077° to 3300 then climbing left turn to 8000 via HVR R-025 to HVR VOR/DME thence...**Rwy 21,** climb heading 212° to 3300 then climbing right turn to 8000 direct HVR VOR/DME thence...**Rwy 26,** climb heading 257° to 3300 then climbing right turn to 8000 direct HVR VOR/DME thence...

...continue climb in hold in HVR VOR/DME holding pattern (hold west, right turns, 094° inbound) to cross HVR VOR/DME at or above 8000 before proceeding on course.

NOTE: **Rwy 3,** pole 2682' from DER, 1044' left of centerline, 21' AGL/2680' MSL. **Rwy 8,** obstruction light on windsock 59' from DER, 224' left of centerline, 9' AGL/2588' MSL. Tree 1192' from DER, 752' left of centerline, 25' AGL/2610' MSL. Tank 1.3 NM from DER, 2287' left of centerline, 57' AGL/2797' MSL. **Rwy 26,** light on windsock, 50' from DER, 225' right of centerline, 9' AGL/2589' MSL. Trees beginning 1617' from DER, 650' right of centerline, 25' AGL/2659' MSL.

HELENA, MT

HELENA RGNL (HLN)
ADMT 9 08269 (FAA)

TAKE-OFF MINIMUMS: **Rwy 5,** 2500-3 or std. w/ min. climb of 250' per NM to 8100, or 1600-3 for climb in visual conditions. **Rwy 9,** std. w/ min. climb of 240' per NM to 8100, or 1600-3 for climb in visual conditions. **Rwy 23,**1600-3 or std. w/ min. climb of 560' per NM to 8100, or 1600-3 for climb in visual conditions. **Rwy 27**,1600-3 or std. w/ min. climb of 390' per NM to 8100, or 1600-3 for climb in visual conditions. **Rwys 16,34,** NA.

DEPARTURE PROCEDURE: **Rwys 5,9,** climbing left turn heading 270°. **Rwys 23,27,** climbing right turn heading 020°. **All Aircraft:** continue climb northwestbound via HLN R-318 to 8100, then climbing right turn direct HLN VORTAC, cross HLN VORTAC at or above 9000, before proceeding on course, or for climb in visual conditions: cross Helena Rgnl airport northbound at or above 5300 and continue climbing via HLN R-336 to WOKEN INT before proceeding on course.

NOTE: **Rwy 5,** ground beginning 5' from departure end of runway, 495' right of centerline, up to 3826' MSL. Fence beginning 423' from departure end of runway, 331' right of centerline, up to 10' AGL/3832' MSL**. Rwy 23,** pole 2198' from departure end of runway, 462' left of centerline, 76'AGL/3996' MSL, tree 1011' from departure end of runway, 379' left of centerline, 44'AGL/3964' MSL, rod on building 953' from departure end of runway, 321' left of centerline, 323' AGL/943' MSL, tree 1519' from departure end of runway, 142' right of centerline, 53' AGL/3953' MSL. **Rwy 27,** buildilng 1593' from departure end of runway, 731' left of centerline, 58'AGL/6385' MSL. Ground beginning 101' from departure end of runway, 346' left of centerline, up to 3871' MSL. Tree 1567' from departure end of runway, 616' left of centerline, 47' AGL/ 3906' MSL.

HERMISTON, OR

HERMISTON MUNI

NOTE: **Rwy 4,** tower 379' left of departure end of runway, 50' AGL/698' MSL. **Rwy 22,** light pole 456' left of departure end of runway, 44' AGL/684' MSL.

HOQUIAM, WA

BOWERMAN

TAKE-OFF MINIMUMS: **Rwy 6**, 600-2 or std. with a min. climb of 260' per NM to 600.

DEPARTURE PROCEDURE: **Rwy 6,** climbing right turn heading 110°: **Rwy 24,** climb runway heading. **All aircraft** climb to 600 continue climb on course.

HULETT, WY

HULETT MUNI (W43)
ORIG 07354 (FAA)

TAKE-OFF MINIMUMS: **Rwy 13,** std. w/ min. climb of 450' per NM to 6300, or 500-2¼ w/ min. climb of 295' per NM to 7700, or 2200-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 13,** climb to 7700 via heading 132° before proceeding on course, or climb in visual conditions: cross Hulett Muni Airport at or above 6300 before proceeding on course. **Rwy 31,** climbing right turn on a heading between 090° clockwise to 115° from departure end of runway to 7700 before proceeding on course.

NOTE: **Rwy 13,** road 398' from departure end of runway, 37' left of centerline, 15' AGL/4296' MSL, truck on road 1126' from departure end of runway, 346' right of centerline, 15' AGL/4334' MSL, trees beginning 4945' from departure end of runway, across centerline, up to 100' AGL/4657' MSL. **Rwy 31,** terrain 104' from departure end of runway, 420' left of centerline, 4200' MSL, terrain 344' from departure end of runway, 233' left of centerline, 4207' MSL.

IDAHO FALLS, ID

IDAHO FALLS RGNL (IDA)
AMDT 4 09351 (FAA)

DEPARTURE PROCEDURE: **All aircraft** departing IDA R-160 CW R-040 climb on course. **All others** climb direct IDA VOR/DME. Continue climb in IDA holding pattern (South, left turns, 019° inbound) to cross IDA VOR/DME at or above 7500 before proceeding on course.

NOTE: **Rwy 2,** pole 1039' from DER, 758' left of centerline, 42' AGL/4762' MSL. **Rwy 17,** trees, flagpole, building, light and vent on buildings, and vehicle on road beginning 29' from DER, 10' right of centerline, up to 84' AGL/4820' MSL. Trees and vent on building beginning 569' from DER, 22' left of centerline, up to 35' AGL/4760' MSL. Trees, antenna, and light poles beginning 1853' from DER, 26' right of centerline, up to 121' AGL/4851' MSL. **Rwy 35,** trees and railroad beginning 410' from DER, 503' right of centerline, up to 49' AGL/4769' MSL. Tree 1034' from DER, 715' left of centerline, 42' AGL/4762' MSL.

JACKSON,WY

JACKSON HOLE

DEPARTURE PROCEDURE: **Rwy 1,** use GEYSER DEPARTURE. **Rwy 19,** use TETON DEPARTURE.

JEROME, ID

JEROME COUNTY (JER)
AMDT 2 09295 (FAA)

TAKE-OFF MINIMUMS: **Rwy 9,** 500-1¾ or std. w/ min. climb of 435' per NM to 4700.

DEPARTURE PROCEDURE: **Rwy 9,** climb heading 086° to 5300 before proceeding on course. **Rwy 27**, climb heading 266° to 4800 before proceeding on course.

NOTE: **Rwy 9,** bush 140' from DER, 500' left of centerline, 16' AGL/4076' MSL. Poles starting 1432' from DER, 32' left of centerline, up to 47' AGL/4169' MSL. Sign 1473' from DER, 547' left of centerline, 49' AGL/4119' MSL. Obstruction light on building 1510' from DER, 6' left of centerline, 43' AGL/4103' MSL. Trees starting 1651' from DER, 100' left of centerline, up to 53' AGL/4137' MSL. Building 2186' from DER, 173' left of centerline, 29' AGL/4119' MSL. Rising terrain starting 2549' from DER, 560' left of centerline, up to 4219' MSL. AG equip 4752' from DER, 517' left of centerline, 26' AGL/4175' MSL. Poles starting 600' from DER, 254' right of centerline, up to 48' AGL/4173' MSL. **Rwy 27,** fence starting 18' from DER, 440' left of centerline, up to 9' AGL/3969' MSL.

JOHN DAY, OR

GRANT COUNTY RGNL/OGILVIE FIELD (GCD)
AMDT 1 09015 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9, 17, 35,** NA, Terrain.

DEPARTURE PROCEDURE: **Rwy 27,** climbing left turn to 12000 heading 270° and IMB R-100 to IMB VORTAC, climb in IMB VORTAC holding pattern (E, right turns, 280° inbound) to cross IMB VORTAC at or above MEA for route of flight.

NOTE: **Rwy 27,** fence beginning 195' from departure end of runway, 50' right of centerline, up to 16' AGL/3665' MSL. Trees beginning 229' from departure end of runway, 261' right of centerline, up to 26' AGL/3662' MSL. Bush 389' from departure end of runway, 438' right of centerline, 20' AGL/3659' MSL.

KALISPELL, MT

GLACIER PARK INTL

DEPARTURE PROCEDURE: Use SKOTT DEPARTURE.

KELSO, WA

SOUTHWEST WASHINGTON RGNL

TAKE-OFF MINIMUMS: **Rwy 12,** NA. **Rwy 30**, 1200-2 or std. with a min. climb of 320' per NM to 1300.

DEPARTURE PROCEDURE: Departure procedure limited to CAT A,B aircraft. **Rwy 30**, climb straight ahead to 1500 then climbing right turn direct LSO NDB. Continue climb in holding pattern (N, right turns, 171° inbound) to cross LSO NDB at or above 3000 direct BTG VORTAC or MEA for route of flight.

KEMMERER, WY

KEMMERER MUNI (EMM)
AMDT 1 09239 (FAA)

TAKE-OFF MINIMUMS: **Rwys 4,10,22,28,** NA - Rwy surfaces.

DEPARTURE PROCEDURE: **Rwy 16,** climb to 12000 via heading 166° and FBR VOR/DME R-330 to FBR VOR/DME before proceeding on course. **Rwy 34,** climb via heading 346° to 8200 then climbing right turn to12000 via heading 125° and FBR VOR/DME R-345 to FBR VOR/DME before proceeding on course.

KLAMATH FALLS, OR

KLAMATH FALLS

TAKE-OFF MINIMUMS: **Rwy 7**, NA. **Rwy 14**, 1100-3 or std. with a min. climb of 275' per NM to 5500. **Rwy 25**, 3300-3 or std. with a min. climb of 250' per NM to 7400. **Rwy 32**, 2000-3 or std. with a min. climb of 320' per NM to 6300.

DEPARTURE PROCEDURE: **Rwys 14,25**, climb via runway heading to 6000 then climbing right turn direct LMT VORTAC, thence... **Rwy 32**, climb via runway heading to 5500 then climbing left turn direct LMT VORTAC, thence... climb in LMT holding pattern (W, right turns, 070° inbound) to cross LMT VORTAC at or above 8000.

LA GRANDE, OR

LA GRANDE/UNION COUNTY

TAKE-OFF MINIMUMS: **Rwy 12**, Cat A/B 2900-3 or std. with a min. climb of 350' per NM to 6100. Cat C/D 4500-3 or std. with a min. climb of 500' per NM to 7800. **Rwy 30,** Cat A/B 2900-3 or std. with a min. climb of 350' per NM to 6100. Cat C/D 3600-3 or std. with a min. climb of 450' per NM to 6800. **Rwy 34,** 2900-3 or std. with a min. climb of 350' per NM to 6100. **Rwy 16,** 2000-3 or std. with a min. climb of 500' per NM to 5000.

DEPARTURE PROCEDURE: **Rwy 12**,**16,** climbing left turn direct LGD NDB, thence; **Rwys 30,34,** climbing right turn heading 010°, thence; **all aircraft** climb to 7000 via the 339° bearing from LGD NDB, then climbing right turn direct LGD NDB.

LAKEVIEW, OR

LAKE COUNTY

TAKE-OFF MINIMUMS: **Rwy 16,** 3700-5 or std. with a min. climb of 320' per NM to 8800. **Rwy 34,** 2500-5 or std. with a min. climb of 320' per NM to 8500.

DEPARTURE PROCEDURE: **Rwy 16**, climbing right turn via LKV R-163 to LKV VORTAC. **Rwy 34**, climbing left turn heading 320° to intercept LKV R-148 then via LKV R-148 to LKV VORTAC. **All aircraft** continue climbing in the LKV VORTAC holding pattern (NW, right turns, 148° inbound) to MEA for route of flight.

LARAMIE, WY

LARAMIE RGNL

DEPARTURE PROCEDURE: **Rwy 3**, turn left. **Rwys 12,21**, turn right. **All aircraft** climb direct LAR VORTAC, continue climb in holding pattern (W, left turns, 107° inbound) to cross LAR VORTAC at or above: westbound V4, 10600. All others cross LAR VORTAC at or above MEA for direction of flight.

LAUREL, MT

LAUREL MUNI

TAKE-OFF MINIMUMS: **Rwys 9, 14, 27, 32,** NA.

DEPARTURE PROCEDURE: **Rwy 22**, turn left. **All aircraft** climb direct BIL VORTAC.

LEWISTON,ID

LEWISTON-NEZ PERCE COUNTY

DEPARTURE PROCEDURE: **Rwys 8,11,26,29**, turn left direct MQG VOR/DME. Continue climb in holding pattern (W, left turns, 066° inbound) to cross MQG VOR/DME at or above 3600.

LEWISTOWN,MT

LEWISTOWN MUNI

TAKE-OFF MINIMUMS: **Rwy 2,** 1800-2 or std. with a min. climb of 280' per NM to 6900. **Rwy 7,12,** 900-2 or std. with a min. climb of 220' per NM to 6200.

DEPARTURE PROCEDURE:**Rwys 2,30** turn left. **Rwys 7,12,20**, turn right. **Rwy 25**, climb runway heading. **All aircraft** climb direct LWT VORTAC. Continue climb in holding pattern (W, right turns, 094° inbound) to MEA for route of flight.

LEXINGTON, OR

LEXINGTON

TAKE-OFF MINIMUMS: **Rwy 26,** std. with min. climb of 280' per NM to 7600, or 1600-2 ½ for climb in visual conditions. **Rwy 8,** std. with min. climb of 490' per NM to 4200, or 1600-2 ½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 8, 26,** for climb in visual conditions: cross Lexington Airport at or above 3600.

NOTES: **Rwy 8,** trees 1.42 NM from departure end of runway, 2386' left of centerline, 100' AGL/2159' MSL. Trees 1.48 NM from departure end of runway, 2755' left of centerline, 100' AGL/2179' MSL.

LIBBY, MT

LIBBY

TAKE-OFF MINIMUMS: **Rwy 33,** not authorized. **Rwy 15,** use EYESE RNAV DEPARTURE.

LIVINGSTON, MT

MISSION FIELD (LVM)

AMDT 3 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwys 8,13,26,31,** NA-Enivironmental.

DEPARTURE PROCEDURE: **Rwys 4, 22,** use LIVINGSTON DEPARTURE.

MADRAS, OR

MADRAS MUNI (S33)

ORIG-A 09043 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16,** std. w/ a min. climb of 298' per NM to 3900 or 1100-2½ for climb in visual conditions. **Rwy 22,** std. w/ a min. climb of 281' per NM to 3900 or 1100-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 4, 34,** climbing left turn heading 210° and DSD R-348 to DSD VORTAC to 7000 before proceeding on course. **Rwy 16,** climbing right turn heading 210° and DSD R-348 to DSD VORTAC to 7000 before proceeding on course, or. . .**Rwy 22,** climb heading 216° and DSD R-348 to DSD VORTAC to 7000 before proceeding on course, or. . . . . .for climb in visual conditions: cross Madras Muni at or above 3400 MSL, then direct DSD VORTAC to 7000 before proceeding on course.

MC CALL, ID

MC CALL MUNI (MYL)

AMDT 2 09127 (FAA)

TAKE-OFF MINIMUMS: **Rwy 34**, NA-Obstacles.

DEPARTURE PROCEDURE: **Rwy 16**, use MCCALL DEPARTURE.

MC CHORD AFB (KTCM)

TACOMA, WA 09127

DEPARTURE PROCEDURE: **Rwy 16,** Track heading 160°, turn left to intercept SEA VORTAC R-168 (V495) to SEA 168/37.1 DME (ALDER). Cross ALDER at or above 4000. After ALDER, maintain MEA/MOCA for route of flight. **Rwy 34,** Track heading 340°, then turn right to intercept SEA VORTAC R-168 (V495) to SEA R-168/37.1 DME (ALDER). Cross ALDER at or above 4000. Maintain MEA/MOCA for route of flight.

TAKEOFF OBSTACLES: **Rwy 16,** Grove of trees 143' AGL/454' MSL, 4892' from DER, 1353' left of centerline. Grove of trees 102' AGL/419' MSL, 2395' from DER, 1028' right of centerline. Trees 136' AGL/447' MSL, 2867' from DER, 1261' left of centerline. Trees 120' AGL/430' MSL, 2594' from DER, 1113' left of centerline. Trees 85' AGL/394' MSL, 2310' from DER, 957' left of centerline. Trees 83' AGL/392' MSL, 2006' from DER, 959' left of centerline. Trees 87' AGL/389' MSL, 1758' from DER, 971' left of centerline. **Rwy 34,** Tree 106' AGL/348' MSL, 2307' from DER, 1038' left of centerline. Tree 121' AGL/370' MSL, 3190' from DER, 526' right of centerline.Aircraft 65' AGL/317' MSL, 186' from DER, 407' left of centerline. Tree 64' AGL/343' MSL, 2260' from DER, 1036' left of centerline. Building 40' AGL/321' MSL, 1668' from DER, 810' left of centerline.

MC MINNVILLE, OR

MC MINNVILLE MUNI (MMV)
AMDT 4 08325 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4,** 400-1¼ or std. w/ min. climb of 238' per NM to 400, or alternatively, with standard take-off minimums and normal 200'/NM climb gradient, take-off must occur no later than 2000' prior to departure end of runway. **Rwy 17,** std. w/ min. climb of 300' per NM to 1200 or 1800-2½ for climb in visual conditions. **Rwy 22,** std. w/ min. climb of 303' per NM to 1400 or 1800-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 4,** climb heading 038° to intercept UBG R-170 to UBG VOR/DME, thence ...

Rwy 17,22, climbing left turn to intercept UBG R-183 to UBG VOR/DME, thence ... or for climb in visual conditions: cross Mc Minnville Muni at or above 1800 before proceeding on course. **Rwy 35,** climb heading 347° to intercept UBG R-221 to UBG VOR/DME, thence...

... continue climb in UBG VOR/DME holding pattern (S, left turns, 003° inbound) until reaching MEA for route of flight.

NOTE: **Rwy 4,** multiple trees beginning 2040' from departure end of runway, 353' left and 209' right of centerline, up to 100' AGL/339 feet MSL. **Rwy 17,** tree 1719' from departure end of runway, 456' right of centerline, 100' AGL/231' MSL. Tree 1760' from departure end of runway, 627' left of centerline, 100' AGL/257' MSL. **Rwy 22,** multiple trees beginning 282' from departure end of runway, 120' left and 144' right of centerline, up to 100' AGL/246' MSL. Tree 4047' from departure end of runway, 1319' left of centerline, 100' AGL/284' MSL. **Rwy 35,** multiple trees beginning 1551' from departure end of runway, 229' right of centerline, up to 100' AGL/277'MSL.

MEDFORD,OR

ROGUE VALLEY INTL-MEDFORD (MFR)
AMDT 9 09015 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9,27,** NA-Obstacles. **Rwy 14**, std. w/ min. climb of 430' per NM to 4600, or 2900-3 for climb in visual conditions. **Rwy 32,** std. with a min. climb of 260' per NM to 6800, or 2900-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 14,** climbing right turn direct OED VORTAC, or for climb in visual conditions, cross Rogue Valley Intl airport at or above 4100 before proceeding direct OED VORTAC...

Rwy 32, climbing right turn direct OED VORTAC, or for climb in visual conditions, cross Rogue Valley Intl airport at or above 4100 before proceeding direct OED VORTAC...

...all aircraft climb in OED VORTAC holding pattern (hold NW, right turns, 153° inbound) to cross OED VORTAC at or above 6400.

MISSOULA, MT

MISSOULA INTL (MSO)
AMDT 8 08213 (FAA)

TAKE-OFF MINIMUMS: **Rwys 7,25**, NA-Obstacles.

DEPARTURE PROCEDURE: **Rwys 11, 29,** use GRZLY DEPARTURE.

MOSES LAKE, WA

GRANT COUNTY INTL

NOTE: **Rwy 14R,** antenna 3902' from departure end of runway, 828' right of centerline, 98' AGL/1268' MSL. **Rwy 18,** pole 405' from departure end of runway, 334' right of centerline, 30' AGL/1209' MSL. Windsock 496' from departure end of runway, 371' left of centerline, 16' AGL/1195' MSL. **Rwy 32L,** pole 1326' from departure end of runway, 373' left of centerline, 22' AGL/1202' MSL.

MOUNTAIN HOME AFB (KMUO)

MOUNTAIN HOME, ID 07270

Rwy 12,30, 6700-3*

* Or standard with minimum climb of 270/NM to 9100.

TAKE-OFF OBSTACLES: **Rwy 12**, Terrain 0' AGL/3028' MSL, 1224' from DER, 744' right of centerline. Terrain 0' AGL/3035' MSL, 824' from DER, 721' right of centerline. Terrain 0' AGL/3035' MSL, 507' from DER, 636' right of centerline. Terrain 0' AGL/3022' MSL, 49' from DER, 202' right of centerline. Terrain 0' AGL/3018' MSL, 148' from DER, 328' left of centerline. Terrain 0' AGL/3016' MSL, 300' from DER, 580' left of centerline. Road/Vehicle 15' AGL/3044' MSL, 1147' from DER, 794' right of centerline. Power pole 35' AGL/3069' MSL, 2914' from DER, 940' right of centerline. Tower 30' AGL/3032' MSL, 1067' from DER, 902' right of centerline. Tower 28' AGL/3039' MSL, 1172' from DER, 796' right of centerline. Tower 45' AGL/3054' MSL, 2152' from DER, 1478' left of centerline. **Rwy 30**, Terrain 0' AGL/2995' MSL, 40' from DER, 492' left of centerline. Terrain 0' AGL/2999' MSL, 370' from DER, 467' right of centerline. Terrain 0' AGL/3006' MSL, 507' from DER, 636' right of centerline. Terrain 0' AGL/3007' MSL, 570' from DER, 653' right of centerline. Road/Vehicle 35' AGL/3019' MSL, 954' from DER, 773' left of centerline.

MOUNTAIN HOME, ID

MOUNTAIN HOME MUNI

TAKE-OFF MINIMUMS: **Rwy 10,** 3500-2 or std. with a min. climb of 305' per NM to 7300. **Rwy 28,** 3500-2 or std. with a min. climb of 290' per NM to 7300.

DEPARTURE PROCEDURE: **Rwy 10,** climbing left turn direct STI NDB. **Rwy 28,** climbing right turn direct STI NDB. **All aircraft** departing STI NDB bearing 080° CW 340° climb on course. All others continue climb in hold (E, left turns, 271° inbound) to cross STI NDB at or above 7300.

NAMPA, ID

NAMPA MUNI

DEPARTURE PROCEDURE: **Rwy 11**, climbing right turn direct MPA NDB, continue climb in MPA holding pattern (NW, right turns, 145° inbound). Depart MPA NDB at or above 5500 before proceeding on course.

Rwy 29, climb runway heading to 3700 then climbing right turn direct MPA NDB, continue climb in MPA holding pattern (NW, right turns, 145° inbound). Depart MPA NDB at or above 5500 before proceeding on course.

NOTE: **Rwy 11,** 70' AGL tree, 1225' from departure end of runway, 90' right of centerline.

NEWCASTLE, WY
MONDELL FIELD (ECS)
AMDT 3A 09267 (FAA)

TAKE-OFF MINIMUMS: **Rwys 5,17,23,35,** NA. **Rwy 13,** 200-1 or std. with a min. climb of 275' per NM to 4400. **Rwy 31,** 300-1 or std. with a min. climb of 300' per NM to 4600.

DEPARTURE PROCEDURE: **Rwy 31,** climbing left turn. **All aircraft** climb to 5500 via ECS R-143, then climbing right turn direct ECS VOR, continue climb on course.

NOTE: **Rwy 13,** fence posts, beginning 299' from DER, 218' left of centerline, up to 10' AGL/ 4190' MSL. Light on antenna 1951' from DER, 879' left of centerline, 84' AGL/4244' MSL. **Rwy 31,** multiple poles, beginning 74' from DER, 237' right of centerline, up to 20' AGL/ 4200' MSL. Bush 5787'from DER, 1441' right of centerline, 13' MSL/4363' MSL. Railroad 735'from DER, 314' right of centerline 30'AGL/4202' MSL. Road 207'from DER, 254'right of centerline, 15' AGL/4187'MSL.

NEWPORT,OR
NEWPORT MUNI

TAKE-OFF MINIMUMS: **Rwy 2**, NA. **Rwy 16**, 500-2 or std. with a min. climb of 310' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 2,** NA. **Rwy 16,** turn right. **Rwy 34**, turn left. Aircraft departing via ONP R-180 CW R-320 depart on course. All others continue climbing via ONP R-200 to 1500 then climbing left turn direct ONP VORTAC. Cross ONP VORTAC at or above 2200.

NORTH BEND, OR
SOUTHWEST OREGON RGNL (OTH)
AMDT 4B 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4**, 800-2 or std. with a min. climb of 340' per NM to 900. **Rwy 13,** 800-2. **Rwys 16,34,** NA-Rwy closed. **Rwy 31,** 300-2 or std. with a min. climb of 240' per NM to 400.

DEPARTURE PROCEDURE: **Rwys 4,31,** turn left. **Rwys 13, 22**, turn right. **All aircraft** climb via OTH VORTAC R-250 to 1300 then climbing right turn direct OTH VORTAC.

NOTE: **Rwy 13,** spire 3468' from departure end of runway, 1128' left of centerline, 55' AGL/243' MSL, multiple trees beginning 3068' from departure end of runway, 78' left of centerline, up to 132' AGL/291' MSL.

OAK HARBOR, WA
A J EISENBERG (OKH)
ORIG-A 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwy 7,** 300-1. **Rwy 25,** 300-1

DEPARTURE PROCEDURE: **Rwy 7,** climb via heading 071° to 2000, then climbing right turn direct CVV VOR/DME. Continue climb on course. **Rwy 25,** climb via heading 251° to 2100, then climbing left turn direct CVV VOR/DME. Continue climb on course.

NOTE: **Rwy 7,** multiple trees beginning 1167' from DER, 212' left of centerline, up to 80' AGL/319' MSL. Multiple trees beginning 664' from DER, 208' right of centerline, up to 80' AGL/299' MSL. Fence 612' from DER, right and left of centerline, 10' AGL/229' MSL. Multiple bushes beginning 240' from DER, 64' left of centerline, up to 8' AGL/227' MSL. **Rwy 25,** cars on road 87' from DER, left and right of centerline, up to 15' AGL/174' MSL. Multiple trees beginning 2271' from DER, right and left of centerline, up to 80' AGL/279' MSL.

OLYMPIA, WA
OLYMPIA RGNL (OLM)
AMDT 5A 09127 (FAA)

TAKE-OFF MINIMUMS: **Rwy 17**, 300-2 or std. with a min. climb of 706' per NM to 600, or 2200-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 8,** climb heading 085° to 1000 then climbing left turn direct OLM VORTAC, thence. . .**Rwy 17,** climb heading 172° to 1200 then climbing right turn direct OLM VORTAC, thence. . .or climb in visual conditions to cross OLM VORTAC at or above 2300, thence. . . **Rwy s 26,35,** climbing right turn direct OLM VORTAC, thence. . .

. . .continue climb in OLM VORTAC holding pattern (south, right turn, 356° inbound) to cross OLM VORTAC at or above MEA/MCA for route of flight.

NOTE: **Rwy 8,** multiple trees beginning 880' from DER, 214' left of centerline, up to 100' AGL/343' MSL. Multiple trees beginning 1636' from DER, 131' right of centerline, up to 100' AGL/320' MSL. **Rwy 17,** multiple trees beginning 1008' from DER, 24' left of centerline, up to 100' AGL/490' MSL. Multiple trees beginning 752' from DER, 3' right of centerline, up to 100' AGL/370' MSL. **Rwy 26,** multiple trees and WSK on building beginning 475' from DER, 595' left of centerline, up to 100' AGL/330' MSL. Multiple trees beginning 338' from DER, 339' right of centerline, up to 100' AGL/309' MSL. **Rwy 35,** multiple trees beginning 2176' from DER, 198' left of centerline, up to 100' AGL/313' MSL. Multiple trees and field light on hangar beginning 657' from DER, 621' right of centerline, up to 100' AGL/315' MSL.

OMAK, WA
OMAK

TAKE-OFF MINIMUMS: **Rwy 17,** 2200-2 or std. with a min. climb of 300' per NM to 4200. **Rwy 35,** NA.

DEPARTURE PROCEDURE: **Rwy 17,** use GETNG RNAV DEPARTURE. **Rwy 35,** NA.

ONTARIO,OR
ONTARIO MUNI (ONO)
AMDT 3 08325 (FAA)

DEPARTURE PROCEDURE: **Rwy 32**, climb to 9600 on a heading between 010° CW to 141° from departure end of runway or minimum climb of 280' per NM to 9600 for all other courses.

NOTE: **Rwy 14,** multiple trees, poles, and buildings beginning 90' from departure end of runway, 157' right of centerline up to 120' AGL/2314' MSL. Multiple trees, poles, and buildings beginning 502' from departure end of runway, 506' left of centerline up to 120' AGL/2314' MSL. **Rwy 32,** multiple trees, poles, and buildings beginning 340' from departure end of runway, 405' left of centerline up to 100' AGL/2458' MSL. Multiple trees, poles, and buildings beginning 2' from departure end of runway, 472' right of centerline up to 100' AGL/2431' MSL.

PASCO, WA
TRI-CITIES

DEPARTURE PROCEDURE: **All runways**, climb runway heading to 1000, thence... **Rwy 12**, turn left. All others turn right. **All aircraft** climb direct PSC VOR/DME before proceeding on course.

PENDLETON, OR

EASTERN OREGON RGNL AT PENDLETON (PDT)

AMDT 3 09183 (FAA)

DEPARTURE PROCEDURE: **Rwys 7, 29, 34,** climbing left turn direct PDT VORTAC, thence...
Rwys 11, 16, climbing right turn direct PDT VORTAC, thence...
Rwy 25, climb direct PDT VORTAC, thence...
...continue climb in PDT VORTAC holding pattern (West, left turn, 073° inbound) to cross PDT VORTAC at or above MEA before proceeding on course.

NOTE: **Rwy 16,** multiple trees beginning 232' from DER, 348' right of centerline, up to 100' AGL/1579' MSL. **Rwy 25,** multiple antennas and terrain beginning 203' from DER, 259' left of centerline, up to 13' AGL/1512' MSL. **Rwy 29,** terrain 189' from DER, 247' left of centerline, 1493' MSL.

PINEDALE, WY

PINEDALE/RALPH WENZ FIELD (PNA)

AMDT 2 09295 (FAA)

TAKE-OFF MINIMUMS: **Rwy 29,** std. with a min. climb of 310' per NM to 8300, or 4900-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 11,** climbing right turn to 10000 via heading 190° and BPI R-040 to BPI VOR/DME before proceeding on course. **Rwy 29,** climbing left turn to 10000 via heading 230° and BPI R-020 to BPI VOR/DME before proceeding on course or for climb in visual conditions: cross Pinedale/Ralph Wenz Field at or above 11800 before proceeding on course.

PLENTYWOOD, MT

SHER-WOOD

NOTE: **Rwy 12,** multiple bushes beginning 47' from departure end of runway, 71' left of centerline, up to 12' AGL/2251' MSL. Multiple bushes beginning 362' from departure end of runway, 514' right of centerline, up to 12' AGL/ 2251' MSL. **Rwy 30,** multiple bushes and road beginning 68' from departure end of runway, 75' right of centerline, up to 12' AGL/2303' MSL. Multiple bushes beginning 217' from departure end of runway, 60' left of centerline, up to 12' AGL/2296' MSL.

POCATELLO, ID

POCATELLO RGNL (PIH)

AMDT 7 09351 (FAA)

DEPARTURE PROCEDURE: use KNURL ONE DEPARTURE.

POLSON, MT

POLSON

TAKE-OFF MINIMUMS: **Rwy 18**, N/A-extremely precipitous terrain. **Rwy 36**, standard with a min. climb of 270' per NM to 8400'.

DEPARTURE PROCEDURE: **Rwy 36**, Use ANGIL RNAV DEPARTURE.

NOTES: **Rwy 36**, Road 509' from departure end of runway, 2955' MSL. Trees 2.39 NM from departure end of runway, 3383' left of centerline, 100' AGL/3179 MSL. Rapidly rising precipitous terrain left and right of centerline running along southern Flathead River ridges.

PORT ANGELES, WA

PORT ANGELES CGAS

DEPARTURE PROCEDURE: Copter departure, climb from landing area direct to EDIZ HOOK NDB. Continue climb in holding pattern (NE, right turns, 237° inbound) to MEA for direction of flight.

WILLIAM R FAIRCHILD INTL

DEPARTURE PROCEDURE: **Rwys 8,13, 26, 31**, use WATTR FIVE DEPARTURE.

PORTLAND, OR

PORTLAND INTL (PDX)

AMDT 6 09015 (FAA)

TAKE-OFF MINIMUMS: **Rwy 3,** 500-3 or std. w/ min. climb of 400' per NM to 600. **Rwy 10L/R,** std. w/ min. climb of 270' per NM to 2900. **Rwy 21,** std. w/ min. of 310' per NM to 1800.

DEPARTURE PROCEDURE: **Rwy 3,** climb heading 025° to 700, then climbing left turn direct BTG VORTAC, thence ... **Rwys 10L,10R,** climb heading 099° to 500, then climbing left turn direct BTG VORTAC, thence ...**Rwy 21,** climb heading 205.03 to 500, then climbing right turn direct BTG VORTAC, thence ...
Rwys 28L,28R, climb heading 279° to 500, then climbing right turn direct BTG VORTAC, thence ...
... continue climb in BTG VORTAC holding pattern (hold NW, right turns, 149° inbound) to cross BTG VORTAC at or above MCA/MEA before proceeding on course.

NOTE: **Rwy 3,** signs, tower, trees, and vehicle on road beginning 468' from departure end of runway, 28' left of centerline, up to 100' AGL/449' MSL. Poles, trees, and vehicle on road beginning 609' from departure end of runway, 7' left of centerline, up to 100' AGL/416' MSL. **Rwy 10L,** rising terrain and vehicle on road beginning 7' from departure end of runway, 376' left of centerline, up to 17' AGL/60' MSL. **Rwy 10R,** pole 1996' from departure end of runway, 758' right of centerline, 54' AGL/74' MSL. note: **Rwy 21,** trees beginning 1319' from departure end of runway,155' right of centerline, up to 100' AGL/318' MSL. Poles and trees beginning 353' from departure end of runway, 36' left of centerline, up to 100' AGL/317' MSL. **Rwy 28L,** trees 1873' from departure end of runway, 836' left of centerline, 50' AGL/88' MSL. **Rwy 28R,** multiple signs, poles, and vehicle on road beginning 876' from departure end of runway, 654' right of centerline, up to 27' AGL/69' MSL.

PORTLAND, OR (CON'T)

PORTLAND-HILLSBORO

TAKE-OFF MINIMUMS: **Rwy 30,** 200-1¼ or std. with a min. climb of 223' per NM to 500. Alternatively, with standard take-off minimums and a normal 200'/NM climb gradient, take-off must occur no later than 1600' prior to departure end of runway.

DEPARTURE PROCEDURE: **Rwy 12,** climbing right turn direct UBG VOR/DME...**Rwys 2, 20, 30,** climbing left turn direct UBG VOR/DME...

...all aircraft climb in UBG VOR/DME holding pattern (west, right turn, 108° inbound) to cross UBG VOR/DME at or above MEA/MCA for direction of flight before proceeding on course.

NOTE: **Rwy 2,** multiple roads beginning 246' from departure end of runway, 3' right of centerline, up to 15' AGL/220' MSL. **Rwy 12,** multiple trees beginning 1842' from departure end of runway, 222' left of centerline, up to 125' AGL/324' MSL. Multiple trees beginning 3629' from departure end of runway, 46' right of centerline, up to 143' AGL/332' MSL. **Rwy 20,** multiple trees and pole beginning 967' from departure end of runway, 118' left of centerline, up to 93' AGL/292' MSL. Vent of hangar 63' from departure end of runway, 428' left of centerline, 26' AGL/225' MSL. Multiple trees and antenna on building beginning 965' from departure end of runway, 449' right of centerline, up to 74' AGL/273' MSL. **Rwy 30,** multiple trees beginning 1664' from departure end of runway, 623' right of centerline, up to 194' AGL/363' MSL. Pole 702' from departure end of runway, 603' left of centerline, 26' AGL/215' MSL.

PORTLAND-TROUTDALE

TAKE-OFF MINIMUMS: **Rwy 7,** 3600-2 or std. with a min. climb of 380' per NM to 4100. **Rwy 25**, 900-2 or std. with a min. climb of 360' per NM to 1000.

DEPARTURE PROCEDURE: **Rwy 7**, turn left.

Rwy 25, turn right. **All aircraft** climb via BTG R-125 direct BTG VORTAC. Continue climb on BTG R-329 within 10 NM to cross BTG VORTAC at or above: BTG R-355 CW R-055 or R-085 CW R-115 5000; all others 2500.

POWELL, WY

POWELL MUNI

TAKE-OFF MINIMUMS: **Rwy 3,16,21,34**, NA.

DEPARTURE PROCEDURE: **Rwy 13**, turn right.

Rwy 31, turn left. **All aircraft** climb direct COD VOR/DME. Aircraft departing COD R-350 CW R-170 climb on course. All others continue climb in COD VOR/DME holding pattern (N, left turns, 189° inbound) to cross COD VOR/DME at or above 8800

PRINEVILLE, OR

PRINEVILLE (S39)
AMDT 1 08213 (FAA)

TAKE-OFF MINIMUMS: **Rwy 10,** std. w/ min. climb of 350 feet per NM to 6500, or 2400-3 for climb in visual conditions. **Rwy 15,** std. w/ min. climb of 470' per NM to 6200, or 2400-3 for climb in visual conditions. **Rwy 28,** std. w/ min. climb of 450' per NM to 6700, or 2400-3 for climb in visual conditions. **Rwy 33,** std. w/ min. climb of 380' per NM to 6700, or 2400-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 10**, climb heading 102° to 6500 before proceeding on course or for climb in visual conditions cross Prineville Muni airport at or above 5600 before proceeding on course. **Rwy 15,** climb heading 154° to 6200 before proceeding on course or for climb in visual conditions cross Prineville Muni airport at or above 5600 before proceeding on course. **Rwy 28,** climb heading 282° to 6700 before proceeding on course or for climb in visual conditions cross Prineville Muni airport at or above 5600 before proceeding on course. **Rwy 33,** climb heading 334° to 6700 before proceeding on course or for climb in visual conditions cross Prineville Muni airport at or above 5600 before proceeding on course.

NOTE: **Rwy 10,** trees beginning 2693' from departure end of runway, 545' right of centerline, up to 100' AGL/3339' MSL. **Rwy 15,** trees beginning 1129' from departure end of runway, 697' right of centerline, up to 100' AGL/3319' MSL**. Rwy 28,** trees beginning 1803' from departure end of runway, 74' right of centerline, up to 100' AGL/3319' MSL. **Rwy 33,** trees beginning 2636' from departure end of runway, 379' right of centerline, up to 100' AGL/ 3319' MSL.

PULLMAN-MOSCOW, WA

PULLMAN-MOSCOW RGNL

TAKE-OFF MINIMUMS: **Rwy 5,** 300-1¼ with a min. climb of 278' per NM to 4400, or 4600-3 for climb in visual conditions. **Rwy 23**, 300-1 or std. with a min. climb of 361' per NM to 4700.

DEPARTURE PROCEDURE: **Rwy 5,** climbing left turn direct PUW VOR/DME, cross PUW VOR/DME at or above 4700, continue climb in PUW VOR/DME holding pattern (SW, left turn, 032° inbound) to cross PUW VOR/DME at or above MEA for direction of flight, or for climb in visual conditions; cross Pullman-Moscow Rgnl at or above 4500. **Rwy 23,** climbing left turn via PUW VOR/DME R-021, cross PUW VOR/DME at or above 4700, continue climb in PUW VOR/DME holding pattern (SW, left turn, 032° inbound) to cross PUW VOR/DME at or above MEA for direction of flight.

NOTE: **Rwy 5,** multiple trees and terrain left and right of centerline, beginning 614' from departure end of runway, 424' right of centerline up to 50' AGL/2677' MSL. Terrain 3503' from departure end of runway, 770' left of centerline, 50' AGL/2608' MSL. **Rwy 23,** multiple trees, terrain, fences, poles, and tanks beginning 669' from departure end of runway, 412' right of centerline, up to 52' AGL/2769' MSL.

PUYALLUP, WA

PIERCE COUNTY-THUN FIELD (PLU)
AMDT 1A 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16, 34,** 300-1.

DEPARTURE PROCEDURE: **Rwy 16,** climbing right turn. **Rwy 34,** climb runway heading. **All aircraft** climb via SEA R-158 to COTNY INT/SEA 18.1 DME. Continue in COTNY holding pattern (Hold S, left turns, 338° inbound) to depart COTNY at or above: 001° CW 090° 3500, 090° 3500, 091° CW 120° 10,400, 121° CW 170° 2700, 171° CW 360° 1500.

NOTE: **Rwy 16,** light pole 511' from DER, 567' right of centerline, 40' AGL/552' MSL. Multiple poles on building beginning 187' from DER, 416' left of centerline, up to 575' MSL. Multiple trees beginning 363' from DER, 656' left of centerline to 540' right of centerline, up to 662' MSL. Vehicles on road beginning 1149' from DER, 512' right of centerline, up to 15' AGL/582' MSL. Terrain beginning 1293' from DER, 529' left of centerline to 352' right of centerline, up to 581' MSL. Pipe 1520' from DER, 303' left of centerline, 574' MSL. **Rwy 34,** multiple trees beginning 58' from DER, 591' left of centerline to 1029' right of centerline, up to 694' MSL. Flagpole 1155' from DER, 464' left of centerline, 578' MSL. Building 564' from DER, 410' left of centerline, 555' MSL.

RAWLINS, WY

RAWLINS MUNI/HARVEY FIELD

TAKE-OFF MINIMUMS: **Rwy 4**, 600-2 or std. with a min. climb of 440' per NM to 7500. **Rwy 22**, 1500-2 or std. with a min climb of 365' per NM to 8700. **Rwys 10, 28**, NA.

DEPARTURE PROCEDURE: **Rwy 4,** turn right. **Rwy 22**, turn left. Climb to 10000 via RWL R-200 and CKW R-080 to CKW VOR/DME then via assigned route. Aircraft departing eastbound V4 or V6 climb via RWL R-200 to assigned route then climb on course.

REDMOND, OR

ROBERTS FIELD (RDM)
AMDT 5 09183 (FAA)

TAKE-OFF MINIMUMS: **Rwy 22,** std. w/ min. climb of 269' per NM to 4700. **Rwy 28,** std. w/ min. climb of 276' per NM to 4800.

DEPARTURE PROCEDURE: **Rwy 4,** climbing left turn via heading 265° and DSD R-047 to DSD VORTAC, climb in DSD VORTAC holding pattern (hold North, right turn, 168° inbound) to cross DSD VORTAC at or above MEA for route of flight before proceeding on course. **Rwy 10,** climbing right turn via heading 240° and DSD R-090 to DSD VORTAC, climb in DSD VORTAC holding pattern (hold North, right turn, 168° inbound) to cross DSD VORTAC at or above MEA for route of flight before proceeding on course. **Rwy 22,** climb heading 222° and DSD R-090 to DSD VORTAC, climb in DSD VORTAC holding pattern (hold North, right turn, 168° inbound) to cross DSD VORTAC at or above MEA for route of flight before proceeding on course. **Rwy 28,** climbing left turn via heading 275° and DSD R-045 to DSD VORTAC, climb in DSD VORTAC holding pattern (hold North, right turn, 168° inbound) to cross DSD VORTAC at or above MEA for route of flight before proceeding on course.

NOTE: **Rwy 28,** numerous trees beginning 1' from DER, 356' right of centerline, 12' AGL/3079' MSL. Tree 364' from DER, 448' left of centerline, 15' AGL/3054' MSL.

RENTON, WA

RENTON MUNI (RNT)
AMDT 7 09351 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16**, std. with a min. climb of 405' per NM to 800, or 1100-2½ for climb in visual conditions. **Rwy 34**, 500-2¾ or std. with a min. climb of 315' per NM to 700.

DEPARTURE PROCEDURE: **Rwy 16,** climb heading 157° to 700, then climbing right turn direct SEA VORTAC, thence..., or for climb in visual conditions: cross Renton Muni Airport westbound at or above 1000 MSL, then proceed on SEA R-029 to SEA VORTAC, thence... **Rwy 34,** Climb heading 337° to 700, then climbing left turn direct SEA VORTAC thence ...
...Climb in SEA VORTAC holding pattern (East, left turns, 290° inbound) to cross SEA VORTAC at or above MEA/MCA for direction of flight.

NOTES: **Rwy 16,** trees, towers, lights and blast shield beginning 185' from DER, 4' left of centerline, up to 100' AGL/574' MSL. Trees, lights and sign beginning 40' from DER, 54' right of centerline, up to 100' AGL/297' MSL. **Rwy 34,** Trees and terrain beginning 1.6 NM from DER, 104' left of centerline, up to 100' AGL/485' MSL. Trees, terrain and wood piling beginning 75' from DER, 7' right of centerline, up to 100' AGL/426' MSL.

REXBURG, ID

REXBURG-MADISON COUNTY

DEPARTURE PROCEDURE: **Rwy 17**, climbing right turn. **Rwy 35,** climbing left turn. **All aircraft** climb via IDA VOR/DME R-015 to RIGBY Int to MEA for route of flight before proceeding on course.

NOTE: **Rwy 17,** 100'AGL trees 125' from departure end of runway, 350' left of centerline. **Rwy 35,** 100' AGL trees 350' from departure end of runway, 450' right of centerline. 100' AGL trees 750' from departure end of runway, 500' left of centerline.

RICHLAND, WA

RICHLAND

TAKE-OFF MINIMUMS: **Rwy 1,** 200-1 or std. w/ min. climb of 310' per NM to 700. **Rwy 19,** std. w/ min. climb of 480' per NM to 2300, or 1800-2½ for climb in visual conditions. **Rwy 26,** 500-2½ or std. w/ min. climb of 309' per NM to 1000.

DEPARTURE PROCEDURE: **Rwy 1,** climbing right turn via heading 070° and PSC R-301 to PSC VOR/DME, thence...**Rwy 8,** climbing right turn direct PSC VOR/DME, thence...**Rwy 19,** climbing right turn via heading 040° and PSC R-269 to PSC VOR/DME, or for climb in visual conditions: cross Richland Airport at or above 2000 then proceed on PSC R-269, to PSC VOR/DME thence...**Rwy 26,** climbing right turn via heading 070° and PSC R-287 to PSC VOR/DME, thence...

...climb in PSC VOR/DME holding pattern (hold East, right turn, 291° inbound) to cross PSC VOR/DME at or above MEA for route of flight before proceeding on course.

NOTE: **Rwy 1,** crane and multiple poles 752' from departure end of runway, 477' right of centerline, up to 110' AGL/520' MSL. Trees 43' from departure end of runway, 414' left of centerline, 100' AGL/407' MSL. **Rwy 8,** multiple trees and railroad beginning 400' from departure end of runway, 252' right of centerline, up to 100' AGL/469' MSL. Multiple trees and railroad beginning 204' from departure end of runway, 241' left of centerline, up to 100' AGL/469' MSL. **Rwy 19,** multiple trees 64' from departure end of runway, 169' right of centerline, up to 100' AGL/679' MSL. Multiple trees, terrain, and buildings 22' from departure end of runway, 30' left of centerline, up to 100' AGL/479' MSL. **Rwy 26,** multiple trees, fence, and terrain beginning 458' from departure end of runway, 230' left of centerline, up to 100' AGL/839' MSL. Multiple posts, antenna, and terrain beginning 164' from departure end of runway, 255' right of centerline, up to 18' AGL/417' MSL.

RIVERTON, WY

RIVERTON RGNL

DEPARTURE PROCEDURE: Aircraft departing RIW R-280 CW R-170 climb on course. All others climb to 6600, then continue climb direct RIW VOR/DME to cross RIW VOR/DME at or above 7500 before proceeding on course.

ROCK SPRINGS, WY

ROCK SPRINGS-SWEETWATER COUNTY

DEPARTURE PROCEDURE: Climb direct OCS VORTAC. Aircraft departing OCS R-205 CW R-170 climb on course. All others climb in the OCS holding pattern (E, right turns, 260°inbound) to cross OCS VORTAC at or above 7300.

RONAN, MT

RONAN (7S0)

ORIG 09295 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16,** std. w/ min. climb of 260' per NM to 9900 or 6100-3 for climb in visual conditions. **Rwy 34,** std. w/ min. climb of 250' per NM to 9900 or 6100-3 in visual conditions.

DEPARTURE PROCEDURE: **Rwy 16,** climb to 8800 on a heading between 177° CW to 336° from DER or for climb in visual conditions, cross Ronan airport at or above 9000 before proceeding on course. **Rwy 34,** climb to 8800 on a heading between 336° CCW to 177° from DER or for climb in visual conditions, cross Ronan airport at or above 9000 before proceeding on course.

NOTE: **Rwy 16,** tree 485' from DER, 386' left of centerline 50' AGL/3149' MSL. **Rwy 34,** building 158' from DER, 370' left of centerline 40' AGL/3130' MSL. Tree 1358' from DER, 556' left of centerline 50' AGL/3149' MSL.

ROSEBURG, OR

ROSEBURG RGNL (RBG)
AMDT 5A 08297 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16**, std. with a min. climb of 642' per NM to 2000, or 1700-3 for climb in visual conditions. **Rwy 34,** std. with a min. climb of 760' per NM to 2000, or 1700-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 16,** climb direct RBG VOR/DME, or climb in visual conditions to cross Roseburg Airport southbound at or above 2200, then direct RBG VOR/DME. Then via RBG R-157 and right turn direct RBG VOR/DME to cross at or above the MCA or MEA for route of flight. **Rwy 34,** climb via heading 342° to 4000, or climb in visual conditions to cross Roseburg Airport northbound at or above 2200 and then via heading 342° to 4000. Then climbing left turn direct RBG VOR/DME, to cross RBG VOR/DME at or above MCA or MEA for route of flight. Aircraft that have not reached the MCA or MEA for route of flight continue climb via RBG R-157 and right turn direct RBG VOR/DME.

NOTE: **Rwy 16,** tower 1.56 NM from departure end of runway, 2231' right of centerline, 50' AGL/1201' MSL, tree 1.47 NM from departure end of runway, 1560' right of centerline, 21' AGL/980' MSL, tree 1.46 NM from departure end of runway, 1298' right of runway centerline, 45' AGL/964' MSL, pole 1.36 NM from departure end of runway, 921' right of centerline, 75' AGL/914' MSL, rod on airway beacon 1.29 NM from departure end of runway, 409' right of centerline, 52' AGL/891' MSL, tree 655' from departure end of runway, 347' right of runway centerline, 93' AGL/593' MSL, obstruction light on pole 691' from departure end of runway, 187' right of runway centerline, 117' AGL/557' MSL. **Rwy 34,** tree 1.10 NM from departure end of runway, 2003' left of runway centerline, 60' AGL/1179' MSL. Tree 5165' from departure end of runway, 1744' left of centerline, 64' AGL/1023' MSL. Obstruction light on pole 4850' from departure end of runway, 56' left of centerline, 15' AGL/894' MSL. Tree 4785' from depature end of runway, 48' left of runway centerline, 23' AGL/862' MSL. Tree 1.41 NM from departure end of runway, 1826' left of runway centerline, 17' AGL/896' MSL. Tree 4079' from departure end of runway, 508' left of runway centerline, 21' AGL/780' MSL. Tree 5067' from departure end of runway, 265' right of centerline, 43' AGL/802' MSL. Tree 4260' from departure end of runway, 345' right of centerline, 42' AGL/761' MSL. Tree 1465' from departure end of runway 329' right of runway centerline, 100' AGL/642' MSL. Tree 913' from departure end of runway, 217' right of runway centerline, 100' AGL/622' MSL. Tree 647' from departure end of runway, 345' right of runway centerline, 100' AGL/615' MSL. Hill 1065' from departure end of runway, 299' right of runway centerline 608' MSL. Trees beginning 60' from departure end of runway, 117' left of runway centerline, up to 16' AGL/554' MSL. Trees beginning 242' from departure end of runway, 209' right of runway centerline, up to 56' AGL/584' MSL. Vehicle on road 265' from departure end of runway, 229' right of runway centerline, 15' AGL/560' MSL. Multiple signs beginning 792' from departure end of runway, 550' left of runway centerline, up to 60' AGL/565' MSL. Bush 94' from departure end of runway, 228' right of runway centerline, 19' AGL/547' MSL. Bush 202' from departure end of runway, 92' left of centerline, 7' AGL/535' MSL. Pole 640' from departure end of runway, 354' left of runway centerline, 29' AGL/557' MSL.

SALEM, OR

MCNARY FIELD

TAKE-OFF MINIMUMS: **Rwy 13**, 600-2 or std. with a min. climb of 240' per NM to 800. **Rwy 16**, 600-2 or std. with a min. climb of 340' per NM to 800.

DEPARTURE PROCEDURE: Comply with SIDs or; **Rwys 31, 34**, turn right. **Rwy 16**, turn left. **Rwy 13**, climb heading 130°. **All aircraft** climb direct TURNO LOM/Int. Continue climb in holding (SE, left turns, 310° inbound) to cross TURNO LOM/INT at or above MEA for route of flight.

SALMON, ID

LEMHI COUNTY

TAKE-OFF MINIMUMS: **Rwy 17,** NA. **Rwy 35,** 4300-5 or std. with a min. climb of 390' per NM to 8000.

DEPARTURE PROCEDURE: **Rwy 17,** NA. **Rwy 35,** climb runway heading to 8000, then climbing left turn to 11,300 direct LKT VOR/DME before proceeding on course.

SANDPOINT, ID

SANDPOINT

TAKE-OFF MINIMUMS: **Rwy 1,** 4200-2 or std. with a min. climb of 520' per NM to 5800. **Rwy 19,** 2200-2 or std. with a min. climb of 480' per NM to 4600.

DEPARTURE PROCEDURE: **Rwy 1,** climbing right turn to COE VOR/DME via heading 200° and COE R-002. **Rwy 19,** climbing left turn to COE VOR/DME via heading 140° and COE R-002.

SARATOGA, WY

SHIVELY FIELD

TAKE-OFF MINIMUMS: **Rwy 23,** 400-1 or std. with a min. climb of 220' per NM to 7400.

DEPARTURE PROCEDURE: **Rwy 5,** turn left heading 280°. **Rwy 23,** turn right heading 340°. **All aircraft** climb to 9000 via 310° bearing from SAA NDB then continue climb on course.

SCAPPOOSE, OR

SCAPPOOSE INDUSTRIAL AIRPARK

DEPARTURE PROCEDURE: **Rwy 15**, climbing left turn direct BTG VORTAC. **Rwy 33,** climbing right turn direct BTG VORTAC. Aircraft departing BTG R-160 CW R-329 climbing left turn on course. All others climb in BTG VORTAC holding pattern (NW, right turns, 149° inbound) to cross BTG VORTAC at or above MEA/MCA for direction of flight.

NOTE: **Rwy 15,** 158' MSL tree 470' from departure end of runway, 499' right of centerline. **Rwy 33,** cross departure end of runway 33 at or above 35' AGL/90' MSL. 130' MSL tree 613' from departure end of runway, 414' right of centerline; 142' MSL trees 1343' from departure end of runway, 348' right of centerline.

SCOBEY, MT

SCOBEY

TAKE-OFF MINIMUMS: **Rwy 12,** std. with a min. climb of 280' per NM to 3400.

SEATTLE, WA

BOEING FIELD/KING COUNTY INTL

TAKE-OFF MINIMUMS: **Rwy 13L,** 500-3 w/ min. climb of 232' per NM to 800, or 1000-2½ for climb in visual conditions. **Rwy 13R,** std. w/ a min. climb of 476' per NM to 900, or 500-3 w/ a min. climb of 386' per NM to 900, or 1000-2½ for climb in visual conditions. **Rwy 31L,** std. w/ a min. climb of 386' per NM to 800, or 300-1½ w/ min. climb of 235' per NM to 800, or 1000-2 ½ for climb in visual conditions. **Rwy 31R,** std. w/ a min. climb of 334' per NM to 900, or 400-1¾ w/ min. climb of 216' per NM to 900, or 1000-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 13L/R,** climbing right turn. **Rwys 31L/R,** climbing left turn. All aircraft climb direct to SEA VORTAC, continue climb in SEA VORTAC holding pattern (hold east, left turns, 290° inbound) to cross SEA VORTAC at or above 3000. For climb in visual conditions cross Boeing Field/King County Intl Airport at or above 900, then climb to 3000 via SEA R-344 to SEA VORTAC, continue climb in SEA VORTAC holding pattern (hold east, left turns, 290° inbound) to cross SEA VORTAC at or above 3000.

NOTES: **Rwy 13L,** multiple trees, towers, antennas and building beginning 402' from departure end of runway, 411' left of centerline, up to 127' AGL/479' MSL. **Rwy13R,** multiple trees and poles beginning 35' from departure end of runway, 154' left of centerline, up to 66' AGL/485' MSL. Multiple trees and poles beginning 501' from departure end of runway, 3' right of centerline, up to 77' AGL/195' MSL. **Rwy 31L,** multiple trees, fence, and building beginning 250' from departure end of runway, 253' left of centerline, up to 71' AGL/101' MSL. Multiple trees and floodlights beginning 1245' from departure end of runway, 447' right of centerline, up to 71' AGL/239' MSL. **Rwy31R,** multiple trees, hangers, towers, poles and building beginning 12' from departure end of runway, 389' right of centerline, up to 103' AGL/350' MSL. Multiple obstruction lights beginning 214' from departure end of runway, 99' left of centerline, up to 71' AGL/101' MSL.

SEATTLE-TACOMA INTL (SEA)
AMDT 4 08325 (FAA)

DEPARTURE PROCEDURE: **Rwys 16L, 16C, 16R,** climb to 1000 via heading 163°, then climbing right turn direct SEA VORTAC, thence...
Rwys 34L, 34C, 34R, climb to 1000 via heading 343°, then climbing left turn direct SEA VORTAC, thence...
...climb in SEA VORTAC holding pattern (hold SE, left turns, 310° inbound) to MEA/MCA for route of flight.

NOTE: **Rwy 16L,** trees beginning 2908' from departure end of runway, 1064' right of centerline, up to 100' AGL/476' MSL. **Rwy 16C,** trees beginning 4477' from departure end of runway, 484' right of centerline, up to 100' AGL/507' MSL. **Rwy 16R,** trees, antenna on building and light pole beginning 488' from departure end of runway, 436' left of centelrine, up to 100' AGL/507' MSL. Trees beginning 1137' from departure end of runway, 587' right of centerline, up to 100' AGL/468' MSL. **Rwy 34L,** fence 189' from departure end of runway, 401' right of centerline, up to 12' AGL/420' MSL. Trees beginning 4010' from departure end of runway, 857' left of centerline, up to 100' AGL/522' MSL.

SHELBY, MT

SHELBY

TAKE-OFF MINIMUMS: **Rwy 5,** 200-1¼ or std. w/ min. climb of 212' per NM to 3700, or alternatively, w/ std. takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1300' prior to departure end of runway.

NOTE: **Rwy 5,** fence post 320' from departure end of runway, 162' right of centerline, 12' AGL/3455' MSL, truck on road beginning 515' from departure end of runway, 632' right of centerline, 17' AGL/3498' MSL, tree 1 NM from departure end of runway, 1242' left of centerline, 75' AGL/3604' MSL. **Rwy 11,** truck on road 906' from departure end of runway, 691' left of centerline, 17' AGL/3456' MSL, tree 1697' from departure end of runway, 26' right of centerline, 75' AGL/3495' MSL, tree 1561' from departure end of runway, 322' left of centerline, 75' AGL/3514' MSL, light standard 852' from departure end of runway, 174' left of centerline, 22' AGL/3451' MSL.

SHELTON, WA

SANDERSON FIELD

TAKE-OFF MINIMUMS: **Rwy 5,** std. w/ a min. climb of 312' per NM to 4000, or 1500-2½ for a climb in visual conditions. **Rwy 23**, std. w/ a min. climb of 414' per NM to 4000, or 1500-2½ for a climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 5,** climbing right turn to intercept SEA R-230 to CARRO intersection. Or for climb in visual conditions: Cross Sanderson Field northeast bound at or above 1600, thence via SEA R-230 to cross CARRO intersection at or above 4000. **Rwy 23,** climbing left turn to intercept SEA R-230 to CARRO intersection. Or for climb in visual conditions: Cross Sanderson Field northeast bound at or above 1600, thence via SEA R-230 to cross CARRO intersection at or above 4000.

NOTE: **Rwy 5,** multiple trees beginning 550' from departure end of runway, 107' left of centerline, up to 94' AGL/366' MSL. Multiple trees beginning 130' from departure end of runway, 70' right of centerline, up to 80' AGL/352' MSL. **Rwy 23,** multiple trees beginning 52' from departure end of runway, 149'left of centerline, up to 72' AGL/330' MSL. Multiple trees beginning 886' from departure end of runway, 153' right of centerline, up to 155' AGL/486' MSL.

SHERIDAN, WY

SHERIDAN COUNTY

TAKE-OFF MINIMUMS: **Rwy 5,** 700-3 or std. w/ min. climb of 318' per NM to 5100, or. . .**Rwy 14,** 800-3 or std. w/ min. climb of 263' per NM to 5100, or. . .**Rwy 23,** 900-3 or std. w/ min. climb of 348' per NM to 5100, or. . .

. . .1400/3 for climb in visual conditions. Climb in visual conditions NA at night.

DEPARTURE PROCEDURE: **Rwy 5,** climbing left turn via SHR R-106 to SHR VORTAC, or climb in visual conditions to cross Sheridan County Airport northwestbound at or above 5300, then via SHR R-126 to SHR VORTAC, thence. . .**Rwy 14,** climbing left turn via heading 320° and SHR R-106 to SHR VORTAC, or climb in visual conditions to cross Sheridan County Airport northwestbound at or above 5300, then via SHR R-126 to SHR VORTAC, thence. . .**Rwy 23,** climbing right turn via SHR R-153 to SHR VORTAC, or climb in visual conditions to cross Sheridan County Airport northwestbound at or above 5300, then via SHR R-126 to SHR VORTAC, thence. . .**Rwy 32,** climb via heading 320° and SHR R-106 to SHR VORTAC, thence. . .

. . .climb in holding pattern (hold northwest, left turn, 133° inbound) to cross SHR VORTAC at or above airway MEA for route of flight.

NOTE: **Rwy 5,** multiple trees beginning 101' from departure end of runway, 188' left of centerline, up to 80' AGL/3991' MSL. **Rwy 23,** fence 1201' from departure end of runway, 10' left of centerline, 20' AGL/4060' MSL. Building 1949' from departure end of runway, 415' left of centerline, 17' AGL/4077' MSL. Tree 3337' from departure end of runway, 391' right of centerline, 43' AGL/4143' MSL. **Rwy 32,** antenna 53' from departure end of runway, 398' right of centerline, 20' AGL/4020' MSL.

SIDNEY, MT

SIDNEY-RICHLAND MUNI

TAKE-OFF MINIMUMS: **Rwy 28**, 400-2 or std. with a min. climb of 260' per NM to 2300.

SNOHOMISH, WA

HARVEY FIELD (S43)

ORIG 09127 (FAA)

TAKE-OFF MINIMUMS: **Rwys 15R, 33L**, NA-obstacles. **Rwy 15L,** std. w/ min. climb of 353' per NM to 1100, or 1200-2½ for climb in visual conditions. **Rwy 33R,** std. w/ min. climb of 475' per NM to 800, or 1200-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 15L,** climbing right turn on 344° course to WATON LOM, or for climb in visual conditions, cross Harvey Field at or above 1100 then proceed on 329° course to WATON LOM, thence ... **Rwy 33R,** climb on 329° course to WATON LOM, or for climb in visual conditions, cross Harvey Field at or above 1100 then proceed on 329° course to WATON LOM, thence ...

... aircraft departing WATON LOM on bearings 150° CW 340° from WATON LOM climb on course. Aircraft departing WATON LOM on bearings 340° CW 150° from WATON LOM, climb in holding pattern (South, left turns, 339° inbound) to cross WATON LOM at or above 4500 before proceeding on course.

NOTE**: Rwy 15L,** tree 81' from DER, 177' right of centerline, 40' AGL/106'MSL. Trees 685' from DER, left and right of centerline, up to 48' AGL/70' MSL. **Rwy 33R,** powerline 139' from DER, 226' left of centerline, 40' AGL/56' MSL. Tree 298' from DER, 205' right of centerline, 104' AGL/121' MSL. Tower 5708' from DER, 1956' right of centerline, 206' AGL/300' MSL.

SPOKANE, WA

FELTS FIELD

TAKE-OFF MINIMUMS: **Rwys 3L,3R,** std. w/ min. climb of 400' per NM to 3600, or 1600-3 for climb in visual conditions. **Rwy 21L,** std. w/ min. climb of 360' per NM to 3100, or 1600-3 for climb in visual conditions. **Rwy 21R,** std. w/ min climb of 375' per NM to 3100, or 1600-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 3L, 3R,** climb to 3600, then climbing right turn heading 210° and GEG R-050 to GEG VORTAC, or for climb in visual conditions: cross Felts Field Airport southbound at or above 3400, then via GEG R-050 to GEG VORTAC. Cross GEG VORTAC at or above the MCA or MEA for route of flight, before proceeding on course. **Rwys 21L, 21R,** climb to 2800, then climbing left turn heading 190° and GEG R-050 to GEG VORTAC, or for climb in visual conditions: cross Felts Field Airport southbound at or above 3400, then via GEG R -050 to GEG VORTAC. Cross GEG VORTAC at or above the MCA or MEA for route of flight, before proceeding on course.

NOTE: **Rwy 3L,** multiple trees beginning 5000' from departure end of runway, 530' left of centerline, up to 104' AGL/2513' MSL. Tree 1854' from departure end of runway, 773' right of centerline, 54' AGL/2030' MSL, tree 2365' from departure end of runway, 798' right of centerline, 61' AGL/2037' MSL. **Rwy 3R,** multiple trees beginning 5016' from departure end of runway, 1033' left of centerline, up to 104' AGL/2529' MSL, pole 2.5 NM from departure end of runway, 2059' left of centerline, 62' AGL/2454' MSL, hangar 92' from departure end of runway, 341' right of centerline, 5' AGL/1967' MSL, NDB 925' from departure end of runway, 270' right of centerline, 25' AGL/1987' MSL, multiple trees beginning 1870' from departure end of runway, 271' right of centerline, up to 128' AGL/3560' MSL. **Rwy 21L,** pole 316' from departure end of runway, 302' left of centerline, 33' AGL/1992' MSL, tree 926' from departure end of runway, 362' left of centerline, 50' AGL/2006' MSL, building 1057' from departure end of runway, 158' left of centerline, 19' AGL/1975' MSL, building 1061' from departure end of runway, 110' left of centerline, 19' AGL/1975' MSL. Elevator 4080' from departure end of runway, 598' left of centerline, 134' AGL/2080' MSL. **Rwy 21R,** hangar 204' from departure end of runway, 496' left of centerline, 13' AGL/1969' MSL, pole 659' from departure end of runway, 404' left of centerline, 26' AGL/1979' MSL, building, 946' from departure end of runway, 230' left of centerline, 24' AGL/1973' MSL, pole 1399' from departure end of runway, 2' left of centerline, 33' AGL/1982' MSL, elevator 2655' from departure end of runway, 1097' left of centerline, 134' AGL/2080' MSL, tree 189' from departure end of runway, 511' right of centerline, 46' AGL/1979' MSL, tree 480' from departure end of runway, 404' right of centerline, 43' AGL/1979' MSL, pole 1252' from departure end of runway, 55' right of centerline, 29' AGL/1975' MSL, pole 1427' from departure end of runway, 13' right of centerline, 33' AGL/1982' MSL.

SPOKANE INTL

DEPARTURE PROCEDURE: **All aircraft** climb direct GEG VORTAC. Continue climb via R-208 within 10 miles to cross GEG VORTAC at or above: northeastbound V120-448, 5200; eastbound V2, 5200, southeast thru westbound climb on course.

STEVENSVILLE, MT

STEVENSVILLE

TAKE-OFF MINIMUMS: **Rwy 12,** do not exceed 210 knots until established on MSO R-163. **Rwy 30,** do not exceed 210 knots until established on MSO R-160.

DEPARTURE PROCEDURE: **Rwy 12,** climbing right turn via heading 335 and MSO R-163 to MSO VOR/DME climb in MSO VOR/DME holding pattern (southeast, right turn, 340° inbound) to 13000' before proceeding on course. **Rwy 30,** climbing right turn via heading 025° and MSO R-160 to MSO VOR/DME Climb in MSO VOR/DME holding pattern (southeast, right turn, 340° inbound) to 13000' before proceeding on course.

SUNRIVER, OR

SUNRIVER

TAKE-OFF MINIMUMS: **Rwy 18**, 300-1 or std. with a min. climb of 360' per NM to 4400. **Rwy 36,** 600-2 or std. with a min. climb of 240' per NM to 4900.

DEPARTURE PROCEDURE: **Rwy 18,** climb runway heading to 7000 then climbing left turn direct DSD VORTAC. **Rwy 36,** climb direct to DSD VORTAC. Then **all aircraft** climb on course.

TACOMA, WA

TACOMA NARROWS

TAKE-OFF MINIMUMS: **Rwy 35**, 400-1 or std. with a min. climb of 210' per NM to 400'.

DEPARTURE PROCEDURE: **Rwy 17,** turn right, climb via heading 230° to intercept OLM R-009 then direct OLM VORTAC. **Rwy 35,** turn left, climb via heading 270° to intercept SEA R-230 then direct CARRO INT. Continue climb in holding (SW, right turns, 047° inbound) to MEA or assigned altitude for route of flight.

THE DALLES, OR

COLUMBIA GORGE RGNL/THE DALLES MUNI

TAKE-OFF MINIMUMS: **Rwy 2**, CAT A,B 1100-2 or std. with a min. climb of 350' per NM to 1500. CAT C,D 2600-3 or std. with a min. climb of 475' per NM to 3100. **Rwy 7**, 900-3 or std. with a min. climb of 330' per NM to 1200. **Rwy 12**, 1400-3 or std. with a min. climb of 500' per NM to 2000. **Rwy 20**, 1800-3 or std. with a min. climb of 470' per NM to 2200. **Rwy 25**, NA. **Rwy 30**, 2900-3 or std. with a min. climb of 500' per NM to 2700.

DEPARTURE PROCEDURE: **Rwys 2,7**, climbing right turn heading 120°. **Rwy 12**, climb via runway heading. **Rwys 20, 30**, climbing left turn heading 120°. **All aircraft** intercept and climb southbound via LTJ R-165 to 3500. Then climbing left turn direct LTJ VORTAC. Continue climb in LTJ holding pattern (E, right turns, 260° inbound) to cross LTJ VORTAC at or above MCA or MEA for route of flight.

TILLAMOOK, OR

TILLAMOOK

TAKE-OFF MINIMUMS: **Rwys 1, 13, 19,** NA. **Rwy 31,** 2000-3 or std. with a min. climb of 350' per NM to 4500.

DEPARTURE PROCEDURE: **Rwys 1, 13, 19,** NA. **Rwy 31,** use FETUJ RNAV DEPARTURE.

TWIN FALLS, ID

JOSLIN FIELD-MAGIC VALLEY RGNL

TAKE-OFF MINIMUMS: **Rwy 12**, NA.

DEPARTURE PROCEDURE: Aircraft departing on TWF R-240 CW R-080 climb on course. All others climb runway heading 6000 then climbing turn direct TWF VORTAC. Climb in holding pattern (NW, right turns, 113° inbound) to MCA or MEA as appropriate for direction of flight.

VANCOUVER, WA

PEARSON FIELD (VUO)

AMDT 2 07354 (FAA)

TAKE-OFF MINIMUMS: **Rwy 8,** std. w/ min. climb of 358' per NM to 600, or 500-3 w/ min. climb of 201' per NM to 600, or 900-2½ for climb in visual conditions. **Rwy 26,** 600-3 or 900-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 8,** climb heading 079° to 500 then climbing left turn direct BTG VORTAC, thence. . . or for climb in visual conditions: cross Pearson Field at or above 800 MSL then proceed on BTG VORTAC R-179 to BTG VORTAC, thence. . .

. . .continue climb in BTG VORTAC holding pattern (hold northwest, right turn, 149° inbound) to cross BTG VORTAC at or above MEA/MCA for route of flight.

NOTE: **Rwy 8,** tree 1.4 NM from departure end of runway, 1283' left of centerline, 100' AGL/395' MSL. Tree 1.7 NM from departure end of runway, 701' left of centerline, 100' AGL/401' MSL. Tree 2 NM from departure end of runway, 849' left of centerline, 100' AGL/406' MSL. Tree 2.4 NM from departure end of runway, 648' left of centerline, 100' AGL/399' MSL. **Rwy 26,** bridge 2704' from departure end of runway, 587' left of centerline, 243' AGL/245' MSL. Crane 1.5 NM from departure end of runway, 2563' right of centerline, 237' AGL/267' MSL. Transmission line tower 2.5 NM from departure end of runway, 2036' right of centerline, 516' AGL/534' MSL.

WALLA WALLA, WA

WALLA WALLA RGNL

DEPARTURE PROCEDURE: **Rwys 2,7, 20,25,34,** turn left. **Rwy 16,** turn right. **All aircraft** climb to 2500 via ALW VOR/DME R-195, then climbing right turn direct ALW VOR/DME to cross ALW VOR/DME at or above MEA or MCA for route of flight.

NOTE: **Rwy 16,** antenna 365' from departure end of runway, 97' right of centerline, 1155' MSL. Terrain 1' from departure end of runway 140' left of centerline, 1145' MSL. **Rwy 20,** light 666' from departure end of runway, 640' left of centerline, 1170' MSL. **Rwy 34,** terrain 213' from departure end of runway, 230' right of centerline, 1130' MSL.

WEISER, ID

WEISER MUNI (S87)

ORIG 08269 (FAA)

TAKE-OFF MINIMUMS: **Rwy 12,** std. w/ min. climb of 310' per NM to 3900 or 2400-3 for climb in visual conditions. **Rwy 30,** std. w/ min. climb of 360' per NM to 4000 or 2400-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 12,** climb heading 121° to 3900 before proceeding on course. **Rwy 30,** climb heading 301° to 4000 before proceeding on course

...for climb in visual conditions: cross Weiser Muni airport at or above 4400 before proceeding on course.

NOTE: **Rwy 12,** tree 248' from departure end of runway, 443' right of centerline, 100' AGL/2184' MSL. **Rwy 30,** tree 1907' from departure end of runway, 769' right of centerline, 100' AGL/2174' MSL.

WENATCHEE, WA

PANGBORN MEMORIAL

TAKE-OFF MINIMUMS: **Rwy 7**, NA. **Rwy 12,** 1500-2 or std. with a min. climb of 510' per NM to 2900. **Rwys 25, 30**, CAT A,B 1600-2 or std. with a min. climb of 360' per NM to 3100. CAT C,D 5500-3 or std. with a min. climb of 570' per NM to 7200.

DEPARTURE PROCEDURE: **Rwy 12,** climb runway heading. **Rwys 25, 30,** climbing left turn. **All aircraft** climb via EAT R-113 to 4000 then climbing left turn direct EAT VOR/DME. Aircraft departing EAT R-010 CW R-140 climb on course. All others continue climb in EAT VOR/DME holding pattern (E,right turns,253° inbound) to cross EAT VOR/DME at or above: R-141 CW R-200 7400; R-201 CW R-009, 8200.

WEST YELLOWSTONE, MT

YELLOWSTONE

TAKE-OFF MINIMUMS: **Rwy 19**, 2200-2 or std. with a min. climb of 245' per NM to 8900. FAR 135 AUTH: **Rwy 1,** ½ mile.

DEPARTURE PROCEDURE: **Rwy 1**, turn right. **All aircraft** climb direct TARGY LOM. Aircraft departing TARGY LOM on bearing 190° CW 220° climb on course. All others climb south on bearing 190° within 10 NM of TARGY LOM turn left and continue climbing direct TARGY LOM to cross TARGY LOM at or above: bearing 360° CW 190° 9300, bearing 220° CW 360° 10500

WHEATLAND, WY

PHIFER AIRFIELD

DEPARTURE PROCEDURE: **Rwy 8,** climbing left turn to 9000 via heading 030° to intercept IIP VOR/DME R-140 to JEZZY Int, thence. . .**Rwy 26,** climbing right turn to 9000 via heading 360° and GYZ NDB course 051° to JEZZY INT, thence. . .

. . .continue climb-in-hold (hold northwest, right turn, 140° inbound) to 9000 before proceeding on course.

NOTE: **Rwy 8,** multiple trees 512' from departure end of runway, 584' left of centerline, 100' AGL/4859' MSL. **Rwy 26,** multiple trees, buildings, poles/lights, siren, roads w/ vehicles beginning 2' from departure end of runway, on centerline, to 488' left of centerline, 100' AGL/4899' MSL. Multiple trees, buildings, poles/lights, roads w/ vehicles beginning 2' from departure end of runway, on centerline to 499' right of centerline, 100' AGL/4859' MSL.

WHIDBEY ISLAND NAS (AULT FIELD) (NUW)

OAK HARBOR, WA. 07186

Diverse departures not authorized.

MILITARY DEPARTURE PROCEDURE: **Rwy 7**: Minimum climb of 430'/NM until 600. Climbing left turn to 2000, intercept NUW R-067, expect radar vectors to join assigned route. **Rwy 14**: Climbing left turn to 2000, intercept NUW R-128, expect radar vectors to join assigned route. **Rwy 25**: Climb to 2000 via heading 249°, expect radar vectors to join assigned route. **Rwy 32**: Climb to 2000 via heading 317°, expect radar vectors to join assigned route. **ALL RWYS:** If vectors are not received by 10 DME of NUW TACAN, climb to 3000, intercept the NUW 11 DME ARC to join assigned route. CIVIL DEPARTURE PROCEDURE: **Rwy 7**: Minimum climb of 270'/NM until 700. Climbing left turn to 2000 via heading 067°, expect radar vectors to join assigned route. **Rwy 14**: Climbing left turn to 2000, via heading 128°, expect radar vectors to join assigned route. **Rwy 25**: Use published DP or climb to 2000 via heading 249°, expect radar vectors to join assigned route. **Rwy 32**: Climb to 2000 via heading 317°, expect radar vectors to join assigned route. **ALL RWYS:** If vectors are not received by 10 DME of NUW TACAN, climb to 3000, proceed direct CVV VOR/DME to join assigned route. TAKEOFF OBSTACLES: **Rwy 7:** Terrain, 7813' from DER, 2469' left of centerline, 276' MSL. Trees, 4274' from DER, 5472' left of centerline, 472' MSL. Trees, 5239' from DER, 6257' left of centerline, 495' MSL. Trees, 8561' from DER, 3685' left of centerline, 426' MSL. Trees, 12,561' from DER, 4814' right of centerline, 462' MSL. Terrain, 11,843' from DER, 7129' left of centerline, 502' MSL. Trees, 15,361' from DER, 4015' right of centerline, 521' MSL.

WORLAND, WY

WORLAND MUNI

TAKE-OFF MINIMUMS: **Rwys 4, 10, 22, 28**, NA. **Rwy 16**, 300-2 or std. with a min. climb of 230' per NM to 4600.

DEPARTURE PROCEDURE: **All aircraft** climb to 5000, then direct RLY VOR/DME. Aircraft departing RLY R-061 CW R-349 climb on course. All others continue climb in RLY VOR/DME holding pattern (N, right turns, 159° inbound) to cross RLY VOR/DME at or above 7000.

YAKIMA, WA

YAKIMA AIR TERMINAL/MCALLISTER FIELD

TAKE-OFF MINIMUMS: **Rwy 4,** NA. **Rwy 9**, 800-4 or std. with a min. climb of 300' per NM to 5000. **Rwys 22,27,** 2500-3 or std. with a min. climb of 300' per NM to 5200.

DEPARTURE PROCEDURE: **Rwy 4,** NA. **Rwys 9,22,27,** Use ZILLA DEPARTURE PROCEDURE.

(JATTS1.JATTS) 09239 SL-9198 (FAA)

JATTS ONE DEPARTURE (RNAV) (OBSTACLE)

ARCO-BUTTE COUNTY (AOC)
ARCO, IDAHO

BOISE RADIO
122.6
SALT LAKE CENTER
128.35 239.25
CTAF 122.8

5900
235°
NATIONAL SECURITY AREA
V269
CRATERS OF THE MOON WILDERNESS AREA
JOBRO
089°
(19)
JATTS
10100
V269 Northwest bound
V269

TAKE-OFF MINIMUMS
Rwy 6: NA- Obstacles.
Rwy 24: Standard.

TAKE-OFF OBSTACLE NOTE
Rwy 24, numerous vehicles beginning 641′ from DER, 629′ right of centerline, 17′ AGL/5355′ MSL.

NOTE: GPS required.
NOTE: RNAV 1

NOTE: Chart not to scale.

V

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 24: Climb heading 235° to 5900 then climbing left turn direct JOBRO, then via 089° track to JATTS before proceeding on course.

APP CRS	Rwy ldg	N/A
323°	TDZE	N/A
	Apt Elev	5332

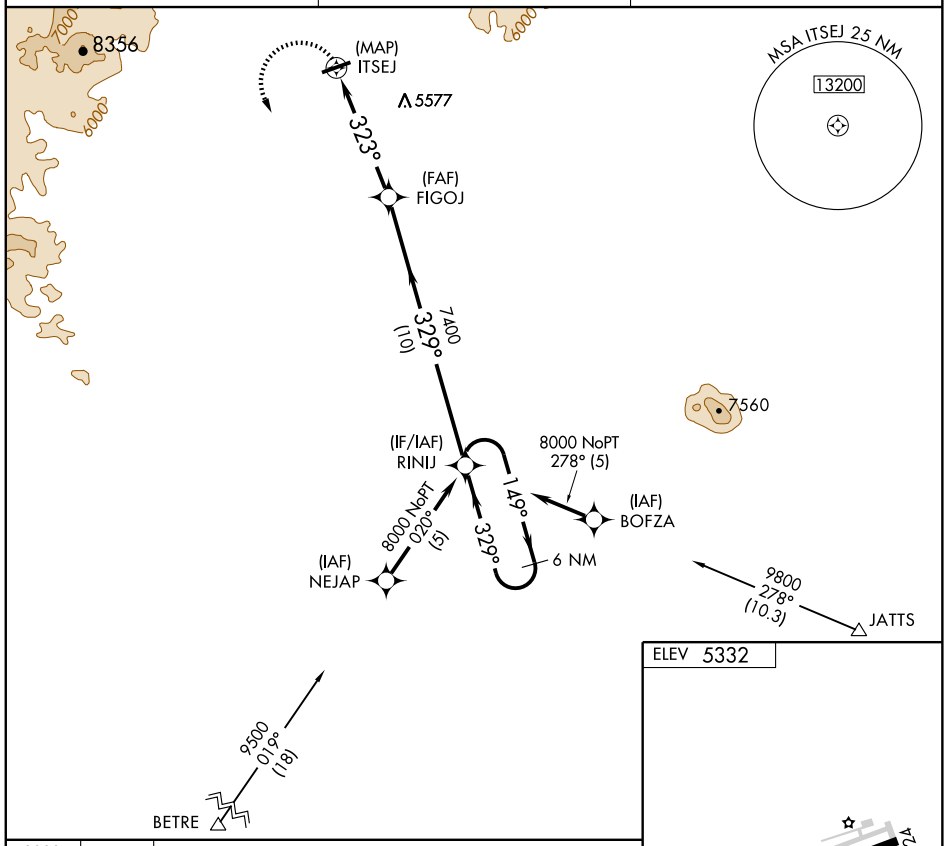
RNAV (GPS)-A
ARCO-BUTTE COUNTY (AOC)

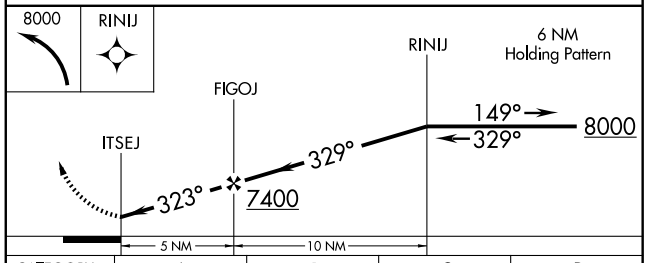
T NA

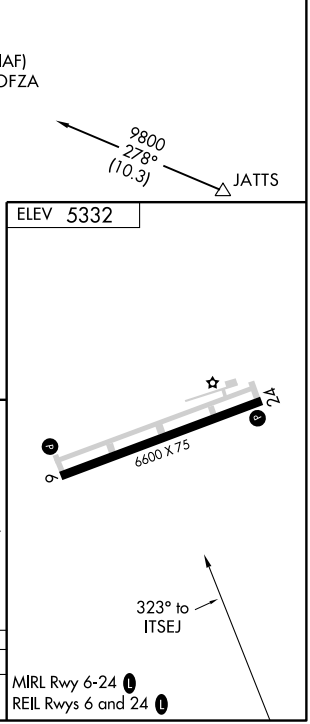
GPS or RNP- 0.3 required.
DME/DME RNP- 0.3 NA.
If local altimeter setting not received, use Pocatello Rgnl altimeter setting and increase all MDAs 600 feet.

MISSED APPROACH: Climbing left turn to 8000 direct RINIJ and hold.

AWOS-3	SALT LAKE CENTER	UNICOM
135.425	128.35 239.25	122.8 (CTAF) L







CATEGORY	A	B	C	D
CIRCLING	5920-1 588 (600-1)		5920-1½ 588 (600-1½)	5920-2 588 (600-2)

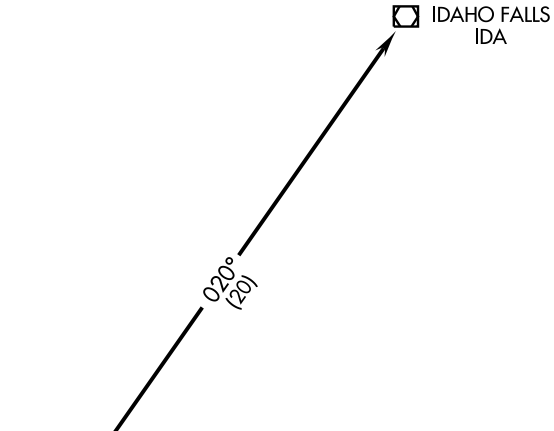
MIRL Rwy 6-24 L
REIL Rwys 6 and 24 L

NW-1, 14 JAN 2010 to 11 FEB 2010

IDAHO FALLS ONE DEPARTURE (RNAV)

BLACKFOOT/MCCARLEY FIELD (U02)
BLACKFOOT, IDAHO

SALT LAKE CITY CENTER
128.35 239.25
UNICOM 122.8 (CTAF)



TAKE-OFF MINIMUMS
Rwy 1: Standard
Rwy 19: Not authorized - obstacles.

NOTE: 1. GPS Required.
2. RNAV 1

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 1: Climb to 7000 (or higher assigned alttitude) via 009° course to JASKI WP and right turn via 020° course to IDA VOR/DME, then via (assigned route).

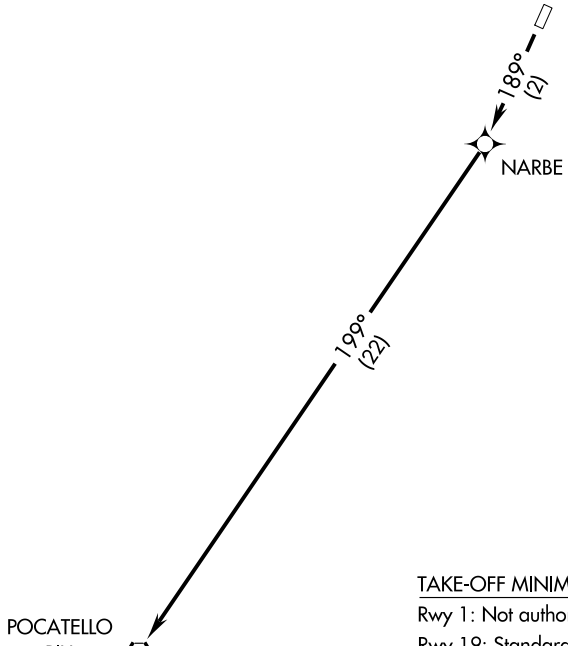
TAKE-OFF RUNWAY 19: Not authorized.

NW-1. 14 JAN 2010 to 11 FEB 2010

POCATELLO ONE DEPARTURE (RNAV)

BLACKFOOT/MCCARLEY FIELD (U∅2)
BLACKFOOT, IDAHO

SALT LAKE CITY CENTER
128.35 239.25
UNICOM 122.8 (CTAF)



TAKE-OFF MINIMUMS
Rwy 1: Not authorized - obstacles
Rwy 19: Standard

NOTE: 1. GPS Required.
2. RNAV 1

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 1: Not authorized.

TAKE-OFF RUNWAY 19: Climb to 7000 (or higher assigned alttitude) via 189° course to NARBE WP and right turn via 199° course to PIH VORTAC, then via (assigned route).

BLACKFOOT, IDAHO

AL-9351 (FAA)

RNAV (GPS)-A

BLACKFOOT/MCCARLEY FIELD (UØ2)

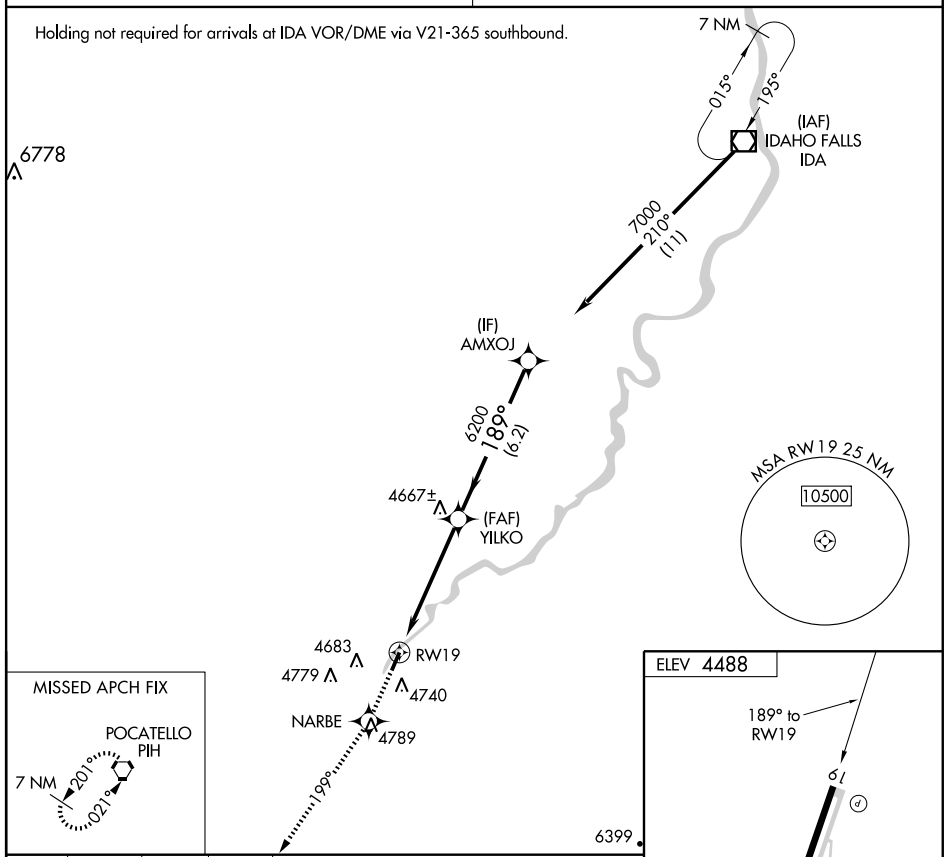
APP CRS	Rwy ldg	N/A
189°	TDZE	N/A
	Apt Elev	4488

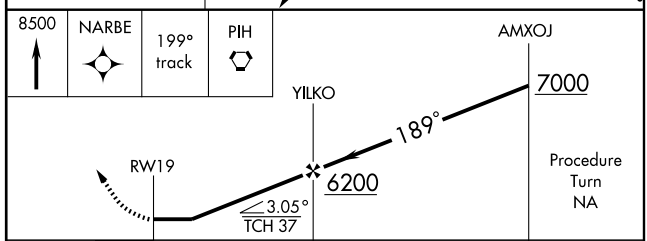
Use Pocatello Rgnl altimeter setting, when not received use Idaho Falls Rgnl altimeter setting.
DME/DME RNP-0.3 NA.

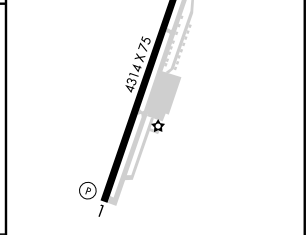
MISSED APPROACH: Climb to 8500 direct NARBE and via 199° track to PIH VORTAC and hold.

SALT LAKE CITY CENTER	UNICOM
128.35 239.25	122.8 (CTAF)

Holding not required for arrivals at IDA VOR/DME via V21-365 southbound.







CATEGORY	A	B	C	D
CIRCLING	5340-1 852 (900-1)	5340-1¼ 852 (900-1¼)	5340-2½ 852 (900-2½)	5380-3 892 (900-3)

MIRL Rwy 1-19

NW-1. 14 JAN 2010 to 11 FEB 2010

BLACKFOOT, IDAHO

AL-9351 (FAA)

RNAV (GPS)-B

BLACKFOOT/MCCARLEY FIELD (U02)

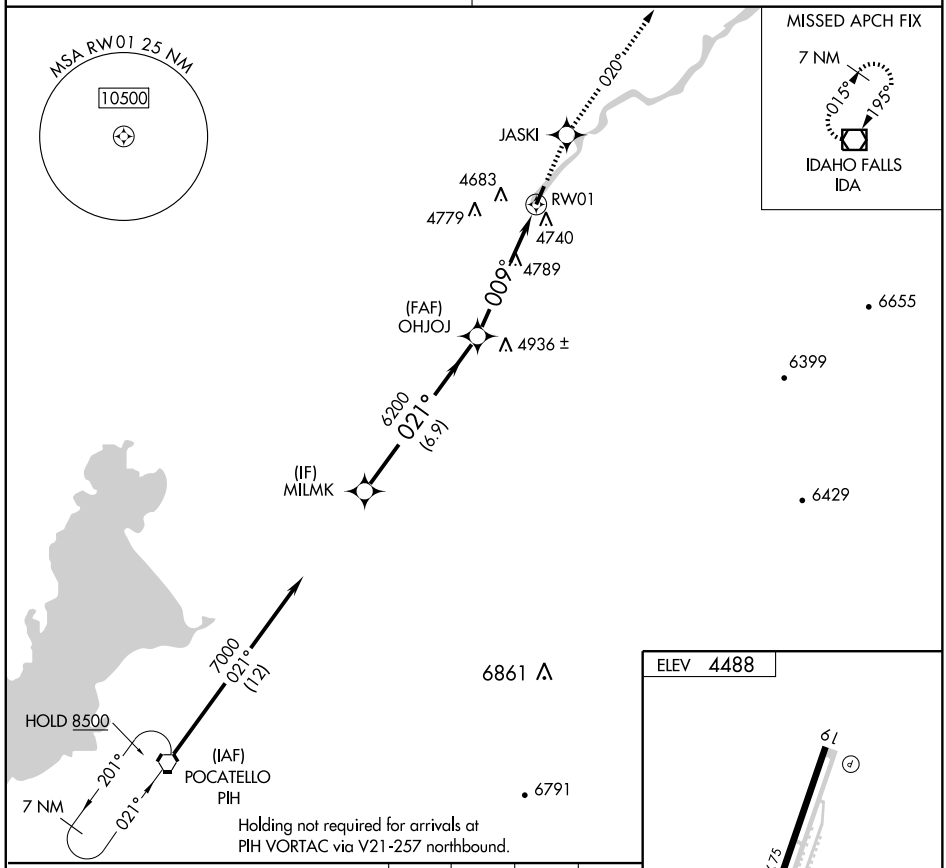
APP CRS	Rwy ldg	N/A
009°	TDZE	N/A
	Apt Elev	4488

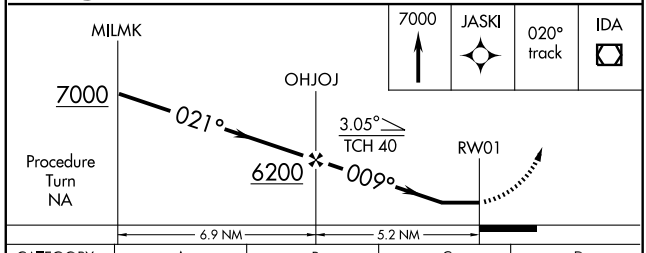
T NA

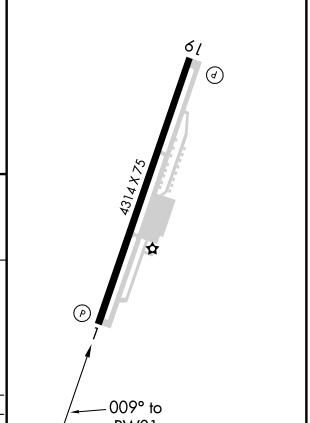
Use Pocatello Rgnl altimeter setting, when not received use Idaho Falls Rgnl altimeter setting.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 7000 direct JASKI and via 020° track to IDA VOR/DME and hold.

SALT LAKE CITY CENTER	UNICOM
128.35 239.25	122.8 (CTAF)







CATEGORY	A	B	C	D
CIRCLING	5380-1¼ 892 (900-1¼)		5380-2¾ 892 (900-2¾)	5380-3 892 (900-3)

NW-1. 14 JAN 2010 to 11 FEB 2010

BLACKFOOT, IDAHO

AL-9351 (FAA)

VOR/DME-C

BLACKFOOT/MCCARLEY FIELD (U∅2)

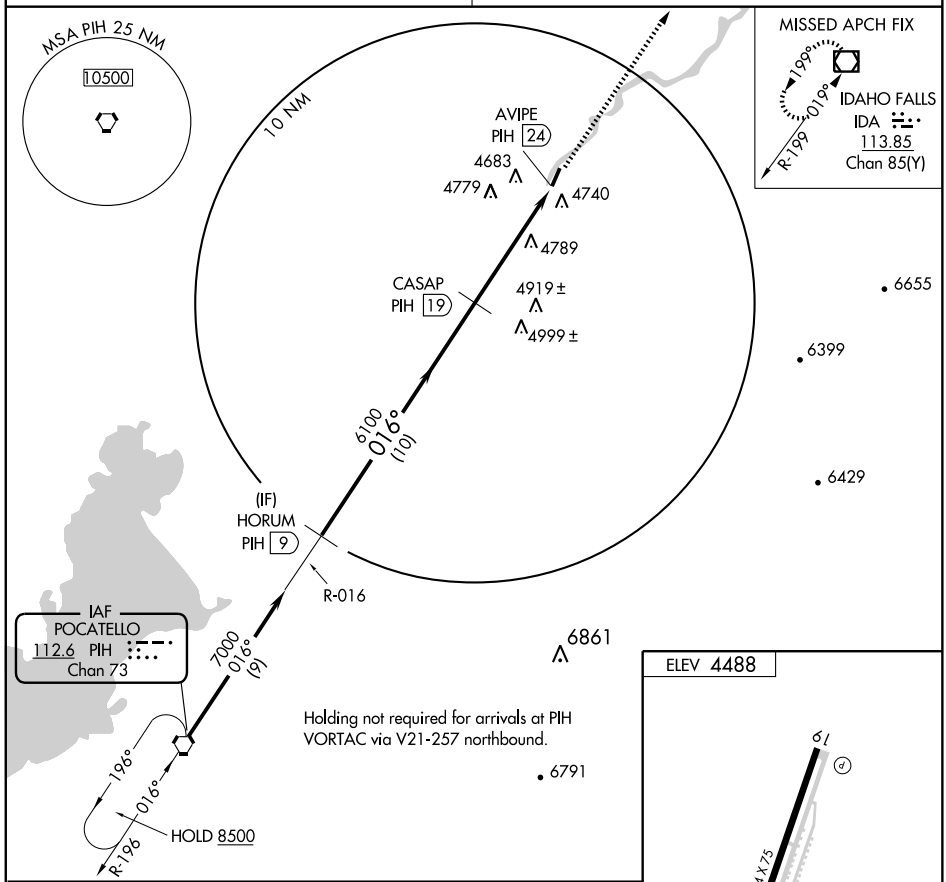
VORTAC PIH	APP CRS	Rwy ldg	N/A
112.6	016°	TDZE	N/A
Chan 73		Apt Elev	4488

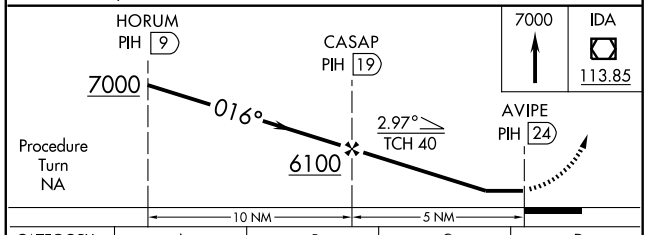
T
NA

Use Pocatello Rgnl altimeter setting, when not received use Idaho Falls Rgnl altimeter setting.

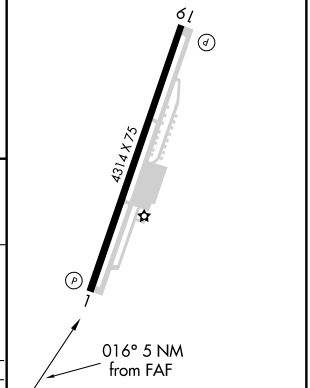
MISSED APPROACH: Climb to 7000 direct IDA VOR/DME and hold.

SALT LAKE CITY CENTER	UNICOM
128.35 239.25	122.8 (CTAF)





CATEGORY	A	B	C	D
CIRCLING	5460-1¼ 972 (1000-1¼)	5460-1½ 972 (1000-1½)	5460-3 972 (1000-3)	



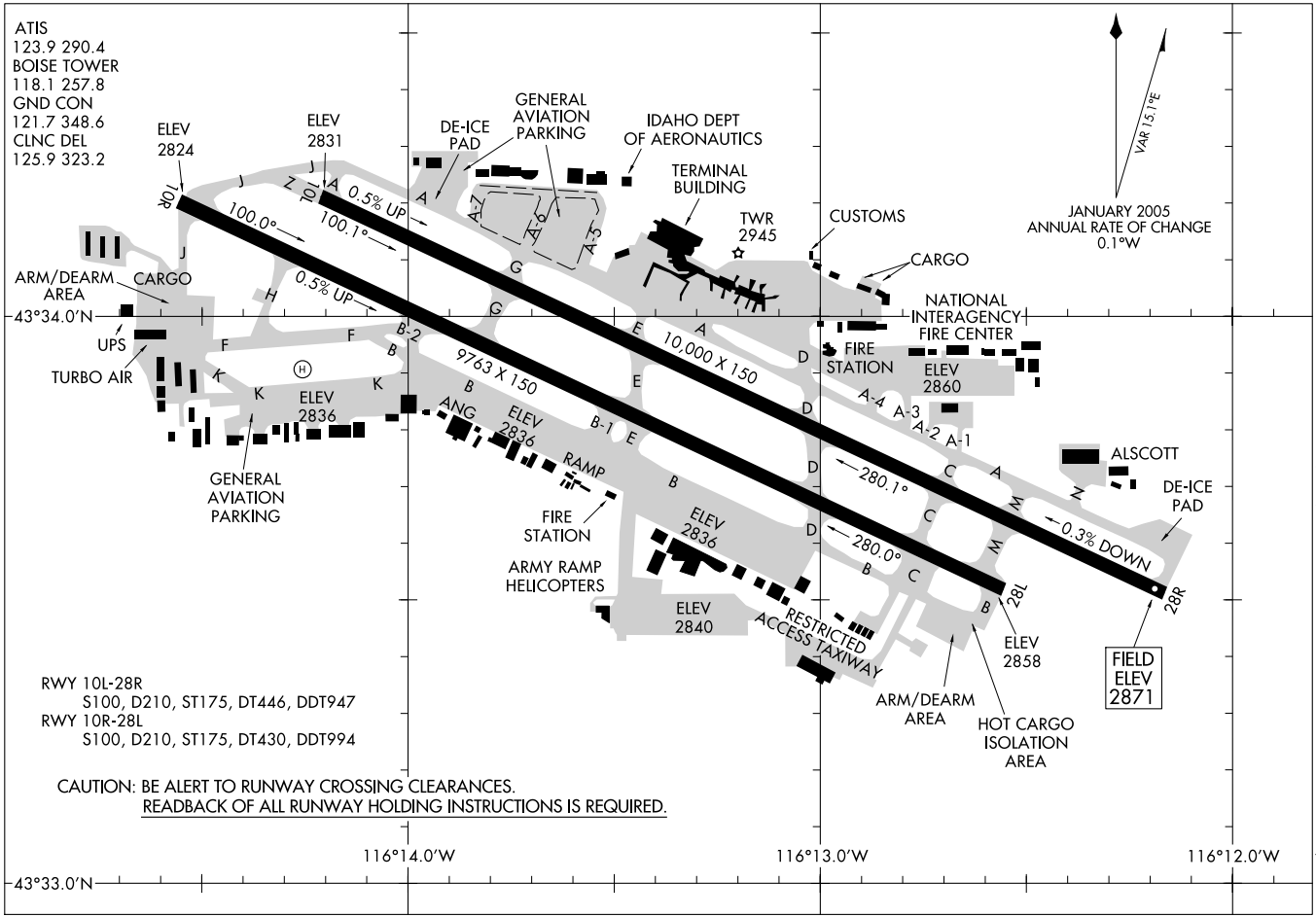
NW-1. 14 JAN 2010 to 11 FEB 2010

AIRPORT DIAGRAM

BOISE AIR TERMINAL (GOWEN FIELD) (BOI)
BOISE, IDAHO

AL-57 (FAA)

ATIS
123.9 290.4
BOISE TOWER
118.1 257.8
GND CON
121.7 348.6
CLNC DEL
125.9 323.2



RWY 10L-28R
S100, D210, ST175, DT446, DDT947
RWY 10R-28L
S100, D210, ST175, DT430, DDT994

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

HI-ILS RWY 10R

LOC I-BOI 111.1	APCH CRS 098°	Rwy ldg 9763 TDZE 2833 Arpt Elev 2871

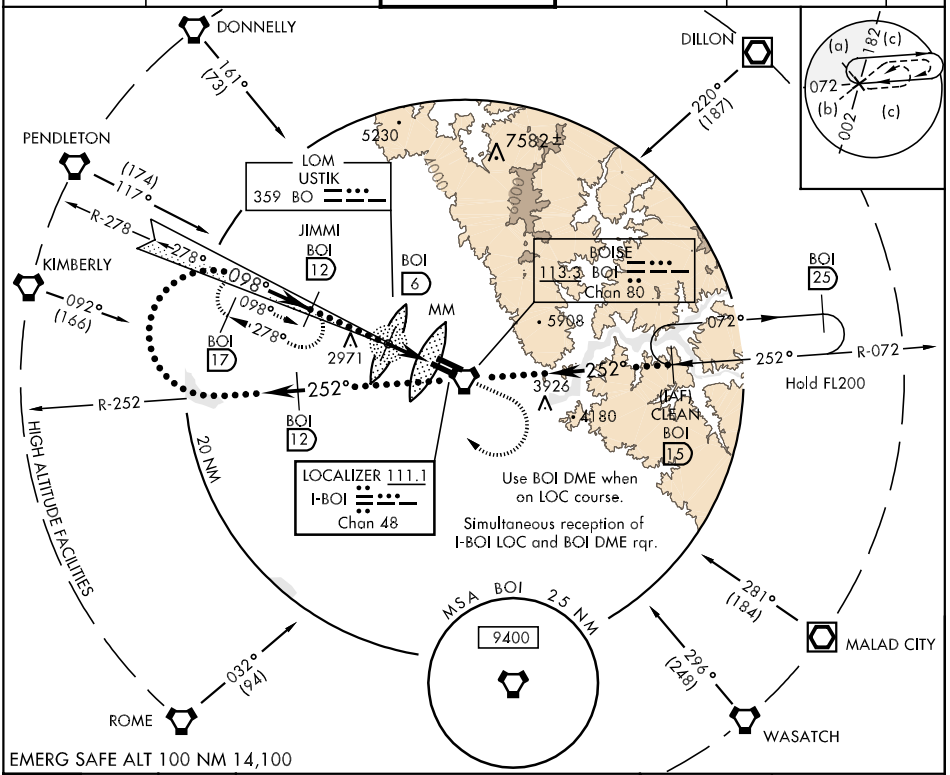
JAL-57 [USAF] BOISE AIR TERMINAL (GOWEN FLD) (KBOI)

* When ALS inop, increase RVR to 40.
** When ALS inop, increase RVR to 50.
*** Circling N of Rwy 10L-28R NA.

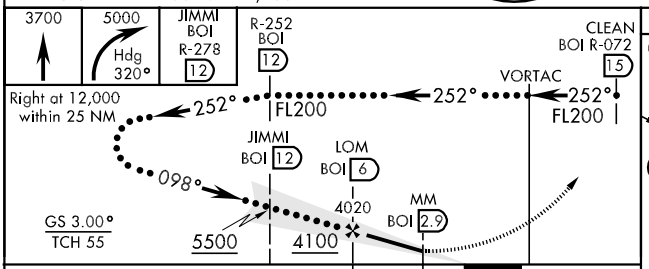
SSALR A3

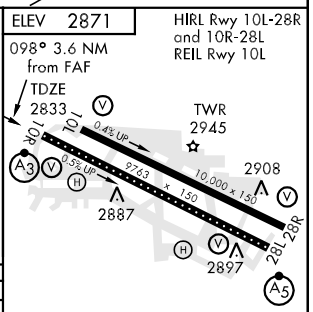
MISSED APPROACH: Climb to 3700 then climbing right turn to 5000 via heading 320° to intercept BOI VORTAC R-278 then direct JIMMI INT and hold.

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL	ASOS
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2	



EMERG SAFE ALT 100 NM 14,100





CATEGORY	C	D	E
S-ILS 10R *	3033/18 200 (200-½)		3033/24 200 (200-½)
S-LOC 10R **	3120/24 287 (300-½)	3120/40 287 (300-¾)	
CIRCLING ***	3320-1½ 452 (500-1½)	3420-2 552 (600-2)	3680-3 812 (900-3)

FAF to MAP 3.6 NM					
Knots	120	140	160	180	200
Min:Sec	1:48	1:33	1:21	1:12	1:05

HI-VOR/DME or TACAN RWY 10R

VORTAC BOI	APCH CRS	Rwy ldg	9763
113.3	098°	TDZE	2833
Chan 80		Arpt Elev	2871

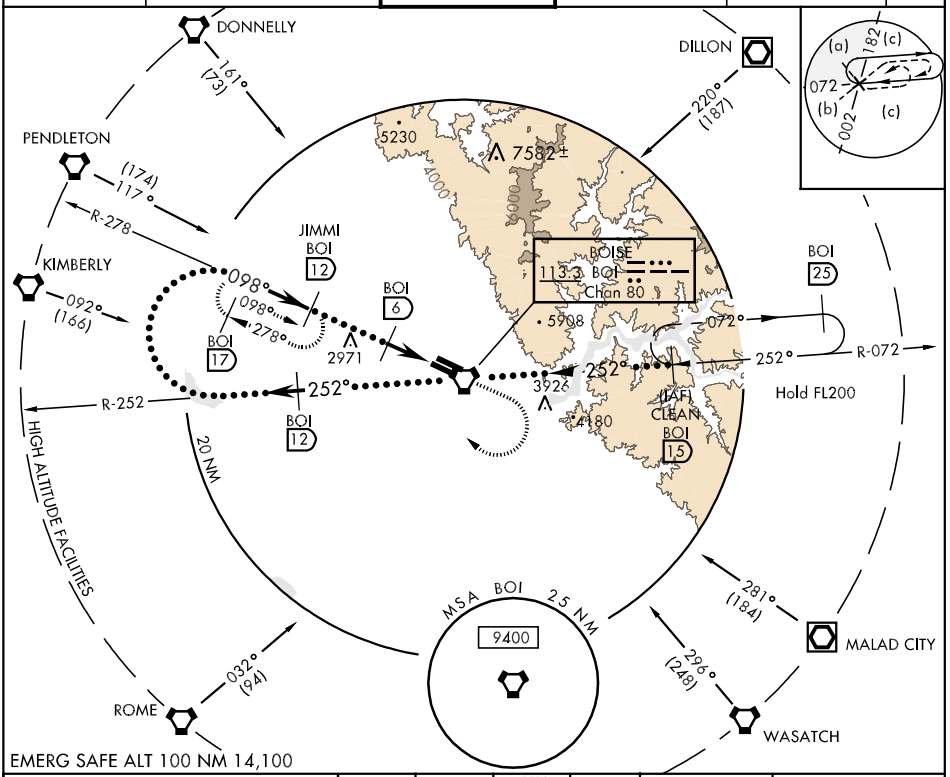
JAL-57 [USAF] BOISE AIR TERMINAL (GOWEN FLD) (KBOI)

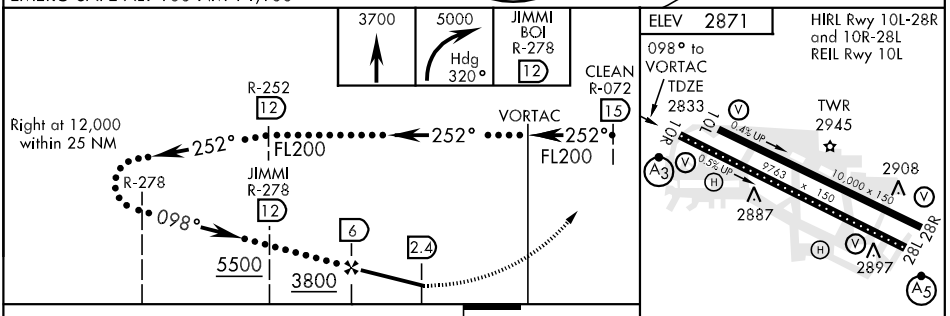
* When ALS inop, increase CAT C RVR to 50 and CAT E RVR to 60.
** Circling N of Rwy 10L-28R NA.

SSALR A3

MISSED APPROACH: Climb to 3700 then climbing right turn to 5000 via heading 320° to intercept BOI VORTAC R-278 then direct JIMMI INT and hold

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL	ASOS
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2	





CATEGORY	C	D	E
S-10R *	3160/24 327 (400-½)	3160/50 327 (400-1)	
CIRCLING **	3320-1½ 452 (500-1½)	3420-2 552 (600-2)	3680-3 812(900-3)

HI-VOR/DME or TACAN RWY 28L

VORTAC BOI	APCH CRS	Rwy ldg	9763
113.3	278°	TDZE	2855
Chan 80		Arpt Elev	2871

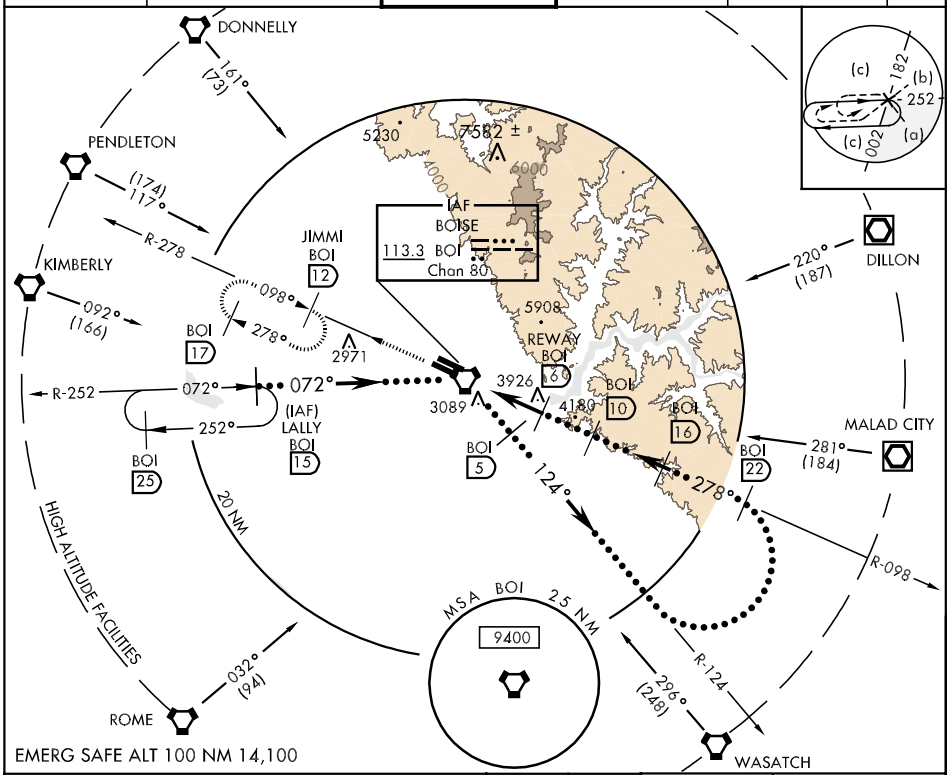
JAL-57 [USAF] BOISE AIR TERMINAL (GOWEN FLD) (KBOI)

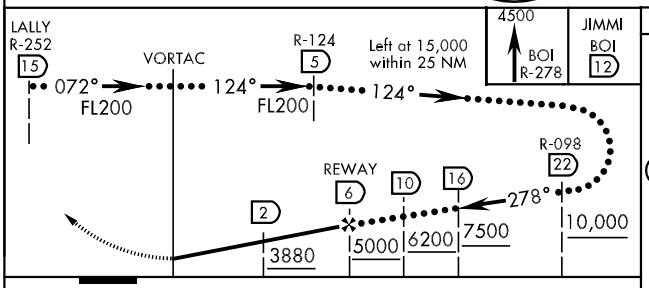
* When ALS inop, increase vis ½ mile.
** Circling N of Rwy 10L-28R NA.

MALSR A5

MISSED APPROACH: Climb to 4500 via BOI VORTAC R-278 to JIMMI and hold.

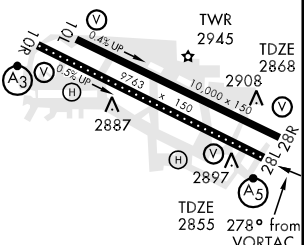
ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL	ASOS
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2	





ELEV 2871

HIRL Rwy 10L-28R and 10R-28L
REIL Rwy 10L



CATEGORY	C	D	E
S-28L *	3360/50 505 (500-1)		3360/60 505 (500-1¼)
SIDESTEP RWY 28R	3360-1¾ 492 (500-1¾)	3360-2¼ 492 (500-2¼)	
CIRCLING **	3360-1½ 492 (500-1½)	3420-2 552 (600-2)	3680-3 812 (900-3)

TDZ/CL Rwy 10R-28L

LOC/DME I-BOI	APP CRS	Rwy ldg 10R	Rwy ldg 10L
111.1 Chan 48	100°	TDZE 9763 / TDZE 2836 / Apt Elev 2871	TDZE 10000 / TDZE 2844 / Apt Elev 2871

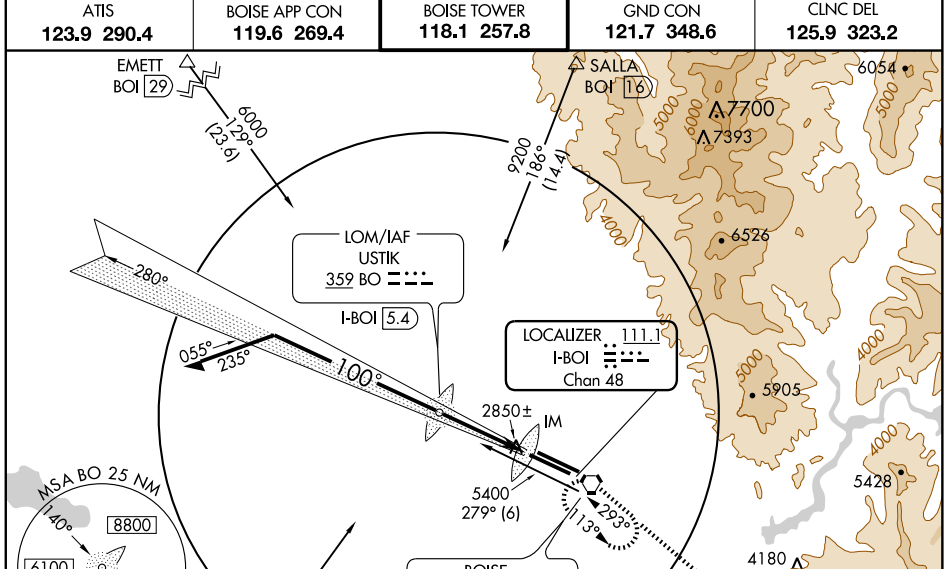
ILS or LOC RWY 10R
BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

For inoperative MALSR, increase S-LOC 10R Cat. D visibility to RVR 5000.
Circling NA north of Rwy 10L-28R.
Visibility reduction by helicopters NA for sidestep.

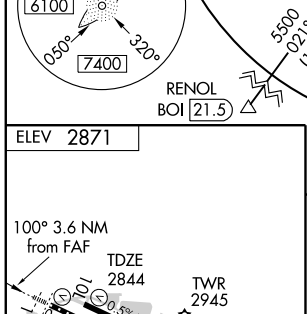
SSALR (A3)

MISSED APPROACH: Climb to 6000 via BOI VORTAC R-113 to CUBTA INT/BOI 11 DME, and continue climbing right turn to 6000 direct BOI VORTAC and hold.

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2



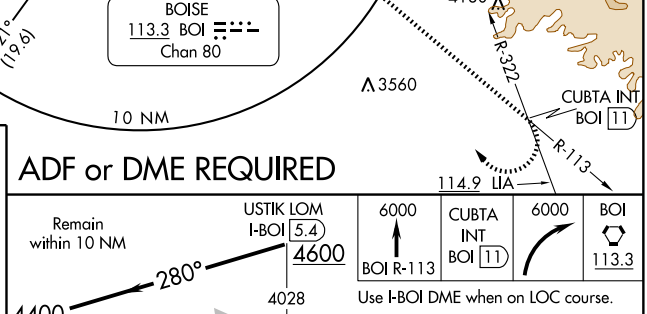
ELEV 2871



REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L

FAF to MAP 3.6 NM					
Knots	60	90	120	150	180
Min:Sec	3:36	2:24	1:48	1:26	1:12

ADF or DME REQUIRED



CATEGORY	A	B	C	D
S-ILS 10R	3036/18 200 (200-½)			
S-LOC 10R	3120/24 284 (300-½)			3120/40 284 (300-¾)
SIDESTEP RWY 10L	3120-1 276 (300-1)		3120-1½ 276 (300-1½)	3120-2 276 (300-2)
CIRCLING	3300-1 429 (500-1)	3340-1 469 (500-1)	3340-1½ 469 (500-1½)	3440-2 569 (600-2)

NW-1, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-BOI	APP CRS	Rwy ldg	9763
111.1	100°	TDZE	2836
Chan 48		Apt Elev	2871

ILS RWY 10R (CAT II)

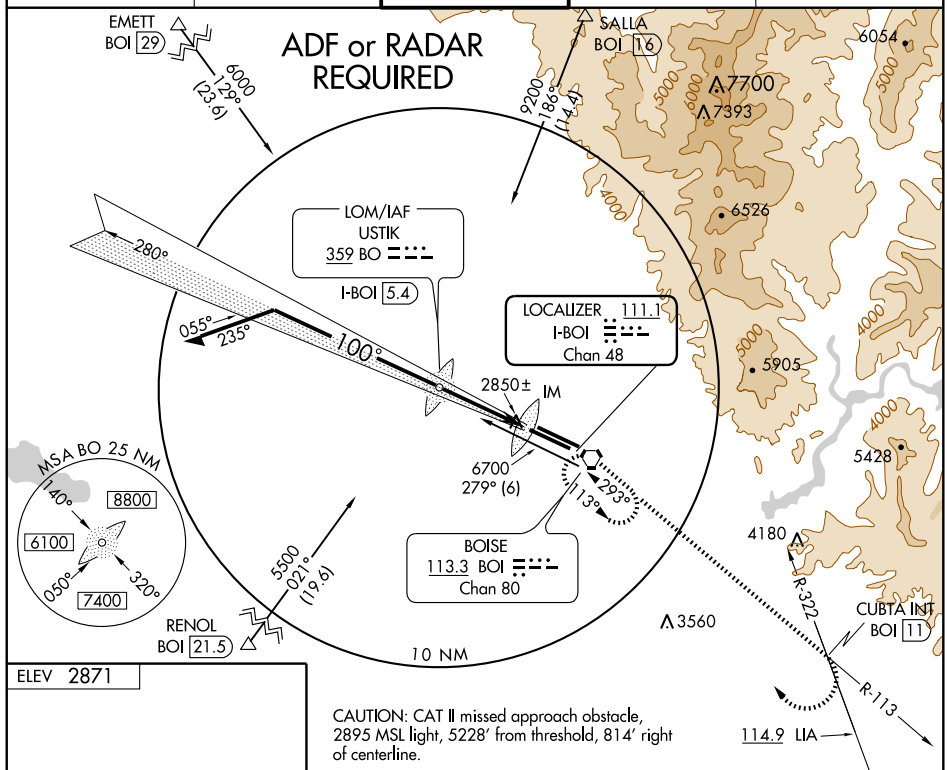
BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

Circling NA north of Rwy 10L-28R.
Procedure does not meet ICAO standard for ALSF/TDZ/CL lighting systems. Authorization to conduct this approach requires specific OPSSPEC approval or LOA for this runway.

SSALR

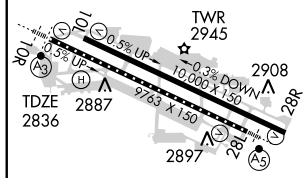
MISSED APPROACH: Climb to 6000 via BOI VORTAC R-113 to CUBTA INT/BOI 11 DME, and continue climbing right turn to 6000 direct BOI VORTAC and hold.

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2



CAUTION: CAT II missed approach obstacle, 2895 MSL light, 5228′ from threshold, 814′ right of centerline.

ELEV 2871



Remain within 10 NM

USTIK LOM I-BOI 5.4

4600

280°

4400

100°

4028

GS 3.00°
TCH 58

4100

Use I-BOI DME when on LOC course.
VGSI and ILS glidepath not coincident.

6000 BOI R-113 | CUBTA INT BOI 11 | 6000 | BOI 113.3

DH RA 102

IM

2836 MSL

3.4 NM 1027′ 979′

CATEGORY	A	B	C	D
S-ILS 10R	RA 102/12 100 DA 2936			

REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L

CATEGORY II ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

NW-1, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-BOI 111.1 Chan 48	APP CRS 280°	Rwy ldg 9763 TDZE 2858 Apt Elev 2871

LOC BC RWY 28L

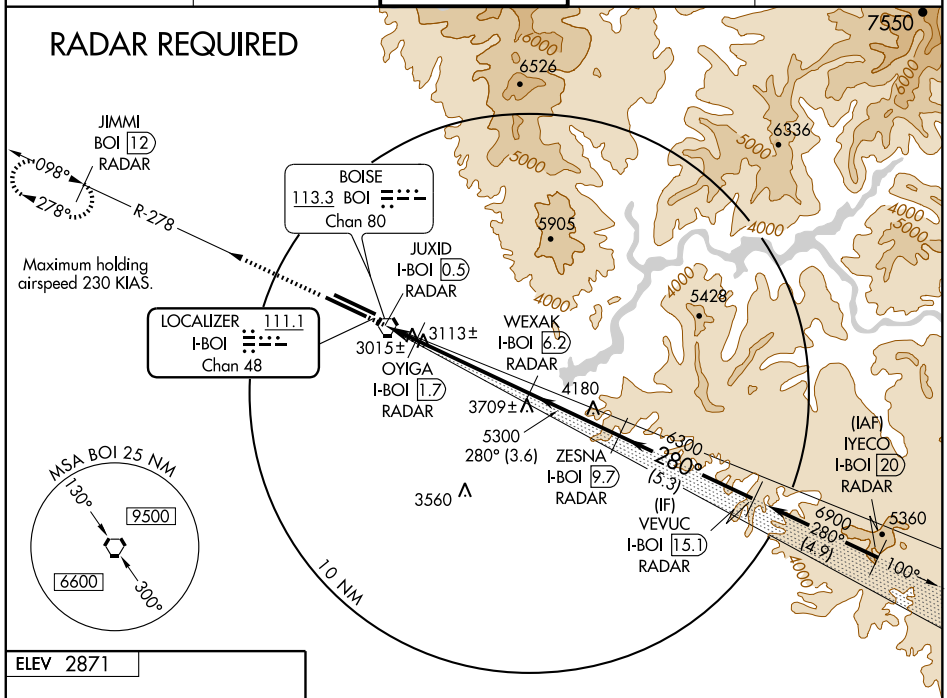
BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

For inoperative MALSR, increase S-28L Cat. E visibility to 1½.
Circling NA north of Rwy 10L-28R.
DME or RADAR required.

MALSR

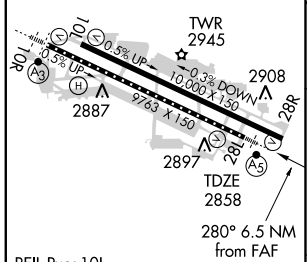
MISSED APPROACH: Climb to 4500 via BOI VORTAC R-278 to JIMMI/12 DME/RADAR and hold.

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2



NW-1, 14 JAN 2010 to 11 FEB 2010

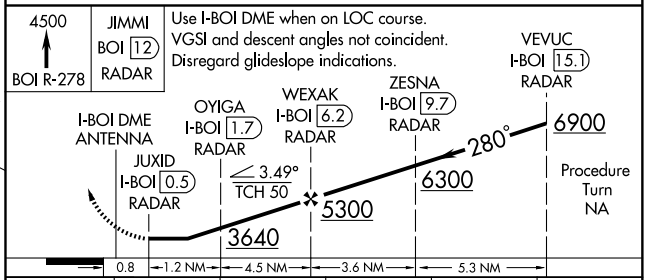
ELEV 2871



REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L

FAF to MAP 5.7 NM					
Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

BACK COURSE



CATEGORY	A	B	C	D	E
S-28L	3300/24	442 (500-½)	3300/40 442 (500-¾)	3300/50	442 (500-1)
CIRCLING	3300-1 429 (500-1)	3340-1 469 (500-1)	3340-1½ 469 (500-1½)	3440-2 569 (600-2)	3740-3 869 (900-3)

BO NDB	APP CRS	Rwy ldg	9763
359	102°	TDZE	2836
		Apt Elev	2871

NDB RWY 10R

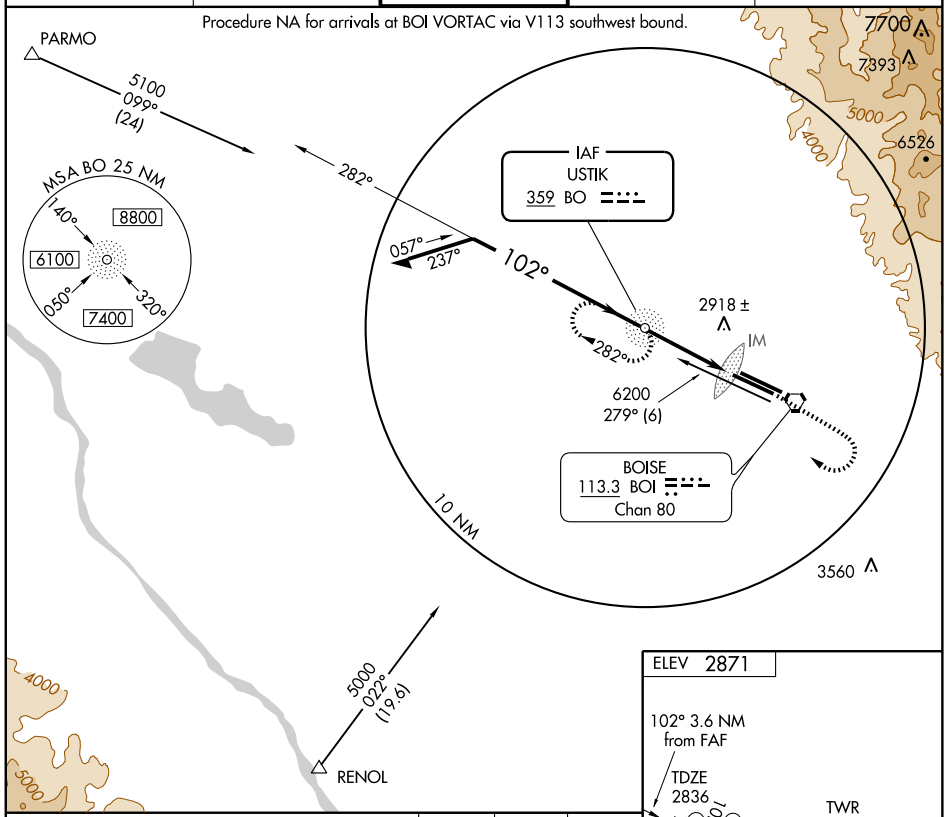
BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

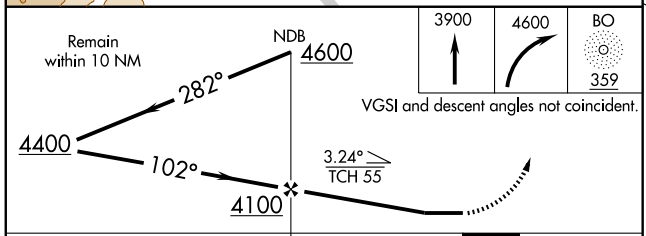
For inoperative MALSR, increase S-10R Cat C visibility to RVR 5000.
Circling NA north of Rwy 10L-28R.

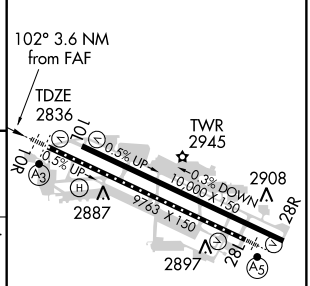
SSALR

MISSED APPROACH: Climb to 3900 then climbing right turn to 4600 direct BO NDB and hold.

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2







REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L

CATEGORY	A	B	C	D
S-10R	3220/40 384 (400-¾)			3220/50 384 (400-1)
CIRCLING	3300-1 429 (500-1)	3340-1 469 (500-1)	3340-1½ 469 (500-1½)	3440-2 569 (600-2)

FAF to MAP 3.6 NM					
Knots	60	90	120	150	180
Min:Sec	3:36	2:24	1:48	1:26	1:12

NW-1, 14 JAN 2010 to 11 FEB 2010

WAAS CH 78102 W10A	APP CRS 100°	Rwy ldg 10000 TDZE 2844 Apt Elev 2871

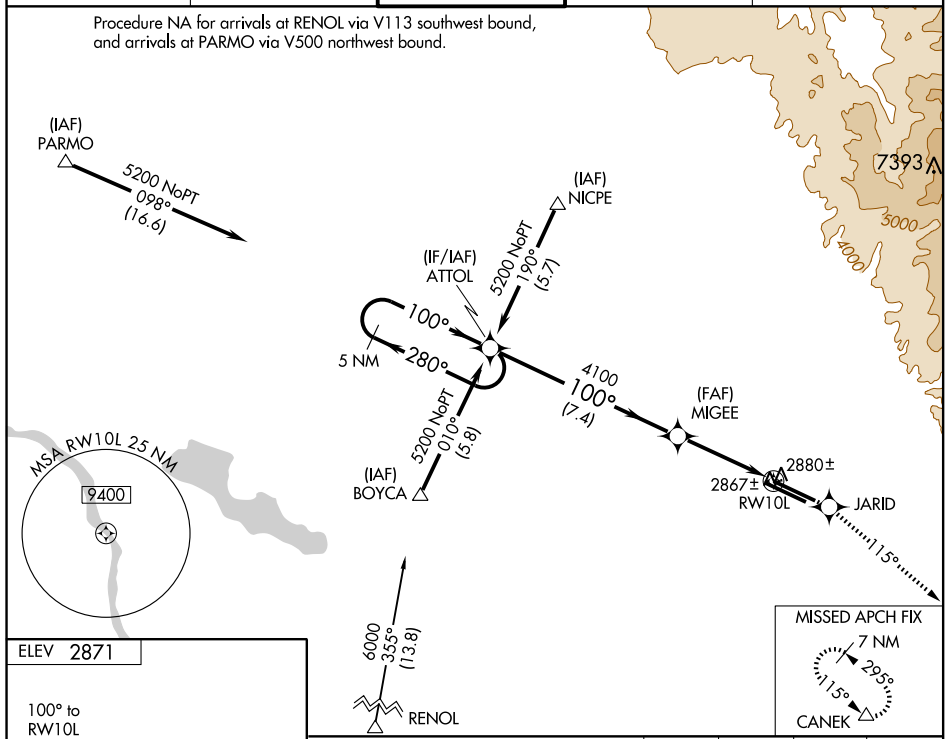
RNAV (GPS) Y RWY 10L
BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

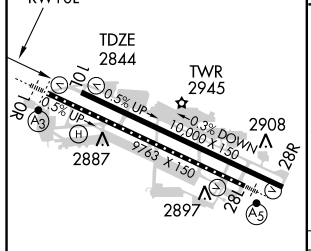
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 42°C (108°F).
Circling NA north of Rwys 10L and 28R. DME/DME RNP- 0.3 NA.
Visibility reduction by helicopters NA.

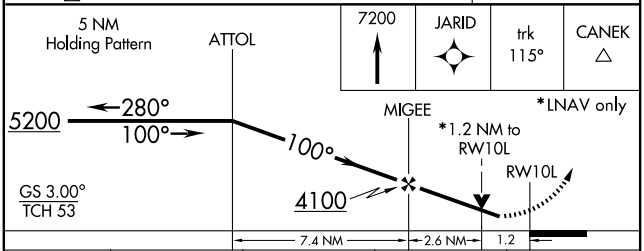
MISSED APPROACH: Climb to 7200 direct JARID and via track 115° to CANEK and hold.

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2

Procedure NA for arrivals at RENOL via V113 southwest bound, and arrivals at PARMO via V500 northwest bound.







CATEGORY	A	B	C	D
LPV DA	3094-1 250 (300-1)			
LNAV/VNAV DA	3173-1¼ 329 (400-1¼)			
LNAV MDA	3280-1 436 (500-1)		3280-1¼ 436 (500-1¼)	3280-1½ 436 (500-1½)
CIRCLING	3440-1 569 (600-1)		3440-1½ 569 (600-1½)	3440-2 569 (600-2)

REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L

WAAS CH 40203 W10B	APP CRS 100°	Rwy ldg 9763 TDZE 2836 Apt Elev 2871

RNAV (GPS) Y RWY 10R

BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

For inoperative SSALR, increase LNAV Cat. D visibility to RVR 6000.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 42°C (107°F).
Circling NA north of Rwys 10L and 28R.
DME/DME RNP- 0.3 NA.

SSALR

MISSED APPROACH: Climb to 7200 direct PUKIE and via track 115° to CANEK and hold.

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2

Procedure NA for arrivals at RENOL via V113 southwest bound, and arrivals at PARMO via V500 northwest bound.

Maximum holding airspeed 230 KIAS.

(IAF) PARMO — 5200 NoPT 099° (16.6)

(IAF) NICPE — 5200 NoPT 190° (5.8)

(IF/IAF) WONIT — 100° / 280° — 5 NM

4100 100° (7.2)

(FAF) SITSE

2850± RW10R — 2867± PUKIE — 115°

(IAF) BOYCA — 5200 NoPT 010° (5.7)

6000 355° (13.8) — RENOL

7393 — 5000 — 4000

MSA RW10R 25 NM — 9400

MISSED APCH FIX: 7 NM 295° 115° CANEK

ELEV 2871

100° to RW10R

TDZE 2836

TWR 2945

10L — 10R — 0.5% UP — 0.3% DOWN — 10,000 X 150 — 9763 X 150 — 2908 — 28R — 28L

2887 — 2897

REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L

VGSI and RNAV glidepath not coincident.

5 NM Holding Pattern — WONIT — 5200 — 280° 100° — 100° — SITSE — *1.1 NM to RW10R — RW10R — 4100

GS 3.00° TCH 58

7.2 NM — 2.7 NM — 1.1

7200 — PUKIE — trk 115° — CANEK

*LNAV only

CATEGORY	A	B	C	D	E
LPV DA	3086/24 250 (300-½)				
LNAV/VNAV DA	3189/40 353 (400-¾)				
LNAV MDA	3240/24 404 (400-½)		3240/40 404 (400-¾)	3240/50 404 (400-1)	
CIRCLING	3440-1 569 (600-1)		3440-1½ 569 (600-1½)	3440-2 569 (600-2)	3860-3 989 (1000-3)

NW-1, 14 JAN 2010 to 11 FEB 2010

WAAS CH 77702 W28A	APP CRS 280°	Rwy ldg 9763 TDZE 2858 Apt Elev 2871

RNAV (GPS) Y RWY 28L

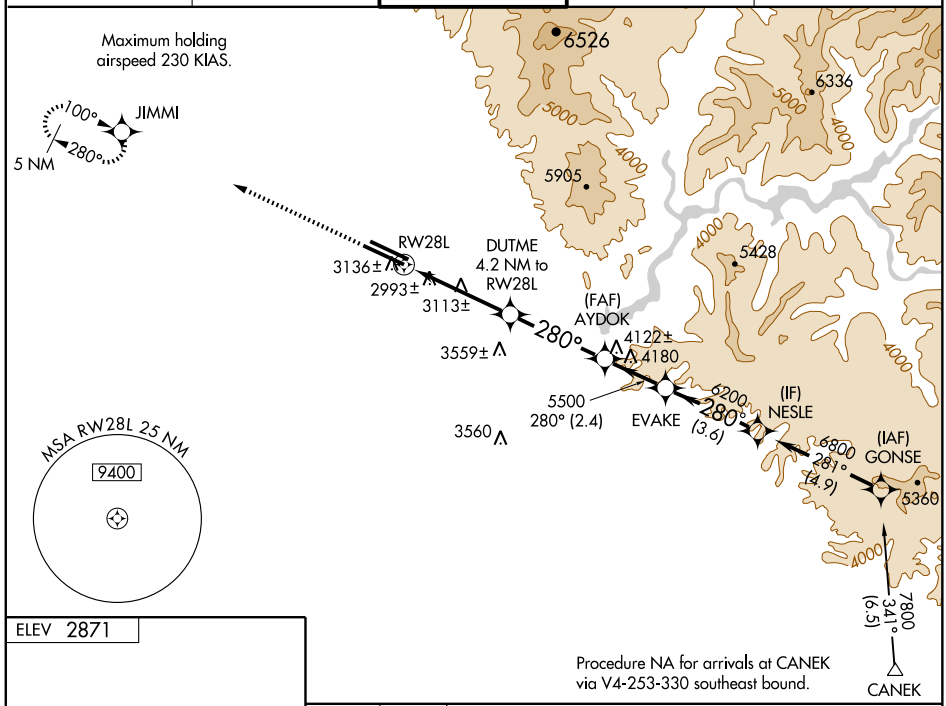
BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

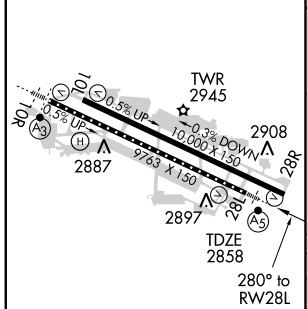
Circling NA north of Rwy 10L-28R. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 43°C (109°F). DME/DME RNP-0.3 NA.
For inoperative MALSR, increase LPV visibility to RVR 5000 all Cats, LNAV/VNAV Cat E to 1½, and LNAV Cat E to 2¼.

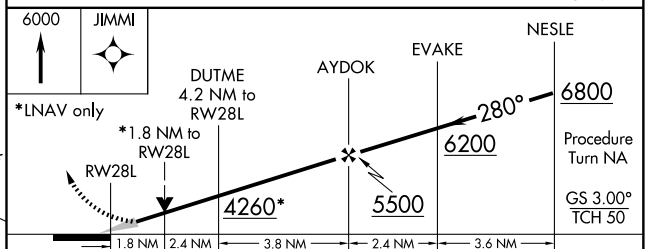
MALSR

MISSED APPROACH: Climb to 6000 direct JIMMI and hold, continue climb-in-hold to 6000.

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2







CATEGORY	A	B	C	D	E
LPV DA	3183/24 325 (400-½)				
LNAV/VNAV DA	3274/50 416 (500-1)				
LNAV MDA	3480/24 622 (700-½)		3480/60 622 (700-1¼)	3480-1½ 622 (700-1½)	3480-1¾ 622 (700-1¾)
CIRCLING	3480-1 609 (700-1)		3480-1¾ 609 (700-1¾)	3480-2 609 (700-2)	3860-3 989 (1000-3)

REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L

NW-1, 14 JAN 2010 to 11 FEB 2010

WAAS CH 65803 W28B	APP CRS 280°	Rwy ldg 10000 TDZE 2871 Apt Elev 2871

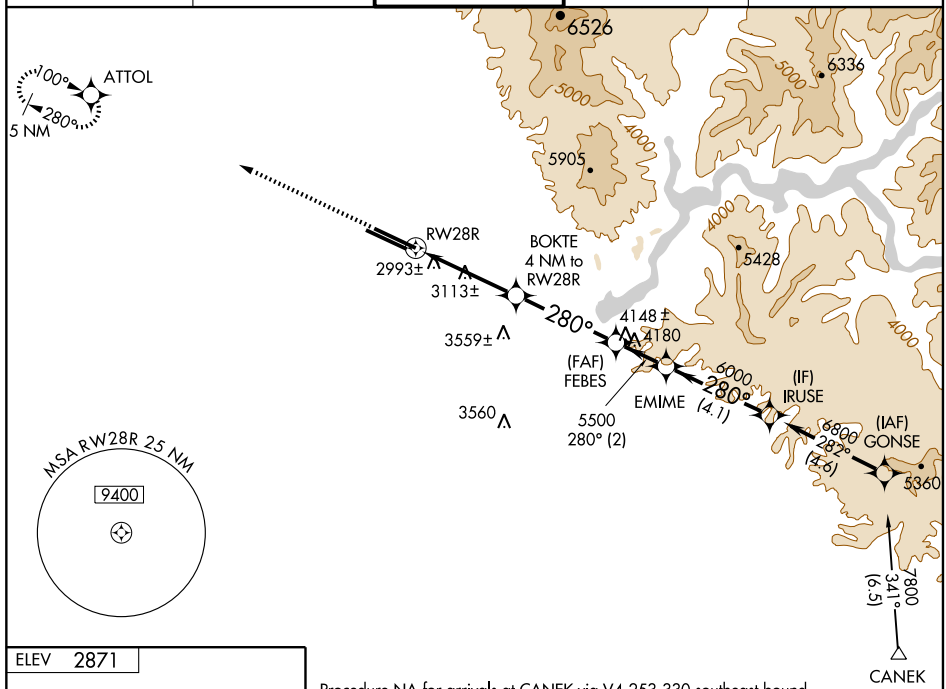
RNAV (GPS) Y RWY 28R

BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 43°C (109°F). DME/DME RNP-0.3 NA. Circling NA north of Rwy 10L-28R.

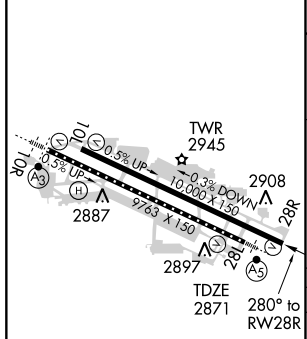
MISSED APPROACH: Climb to 6000 direct ATTOL and hold, continue climb-in-hold to 6000.

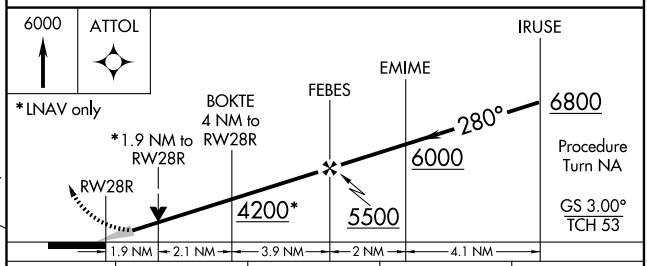
ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2



Procedure NA for arrivals at CANEK via V4-253-330 southeast bound.

ELEV 2871





CATEGORY	A	B	C	D
LPV DA	3147/50 276 (300-1)			
LNAV/VNAV DA	3271-1½ 400 (400-1½)			
LNAV MDA	3520/50 649 (700-1)		3520-1¾ 649 (700-1¾)	3520-2 649 (700-2)
CIRCLING	3520-1 649 (700-1)		3520-1¾ 649 (700-1¾)	3520-2 649 (700-2)

REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L

NW-1, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	10000
100°	TDZE	2844
	Apt Elev	2871

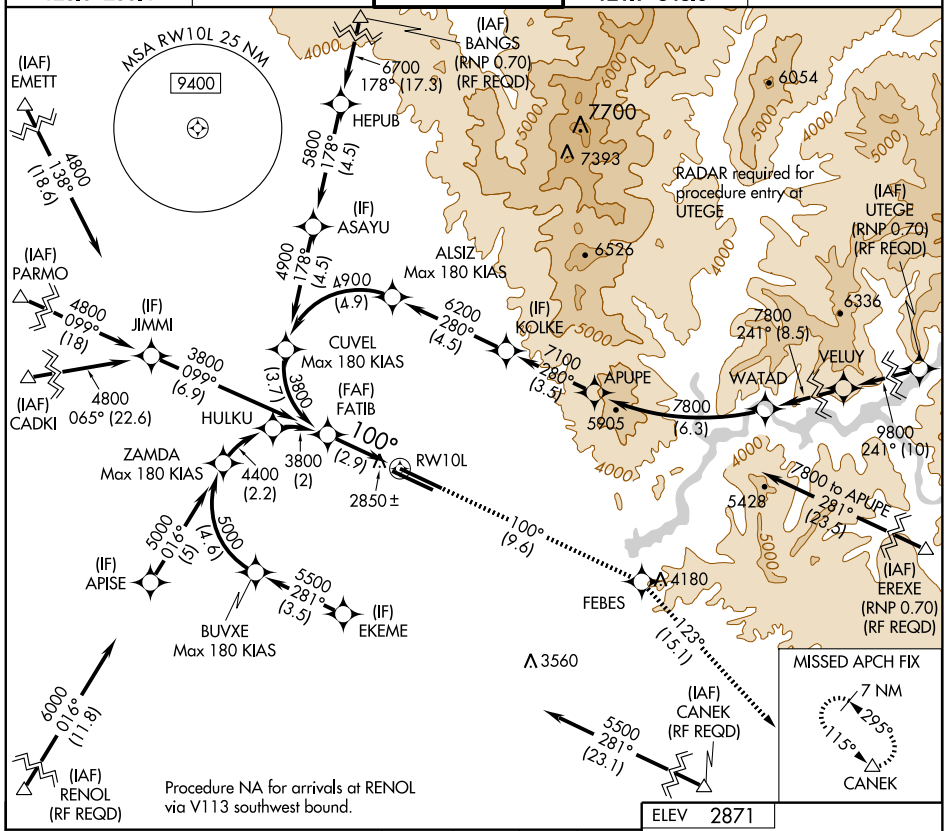
RNAV (RNP) Z RWY 10L

BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

GPS required. For uncompensated Baro-VNAV systems, procedure NA below -14°C (7°F) or above 41°C (107°F). When VGSI inoperative, procedure NA at night. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 7200 via track 100° to FEBES and via track 123° to CANEK and hold.

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2

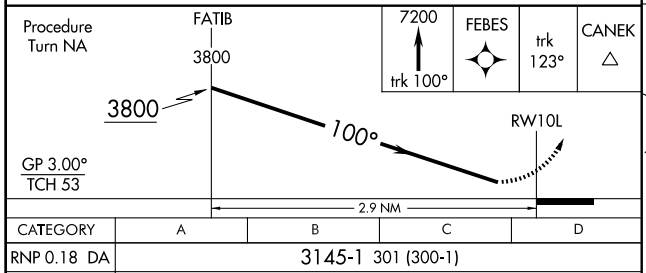


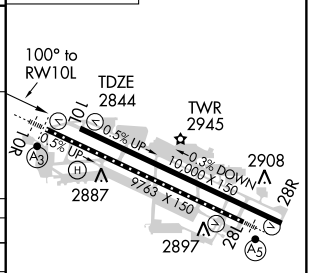
Procedure NA for arrivals at RENOL via V113 southwest bound.

MISSED APCH FIX

ELEV 2871

Procedure Turn NA





CATEGORY	A	B	C	D
RNP 0.18 DA	3145-1 301 (300-1)			
RNP 0.30 DA	3175-1¼ 331 (400-1¼)			

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L

NW-1, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	9763
100°	TDZE	2836
	Apt Elev	2871

RNAV (RNP) Z RWY 10R

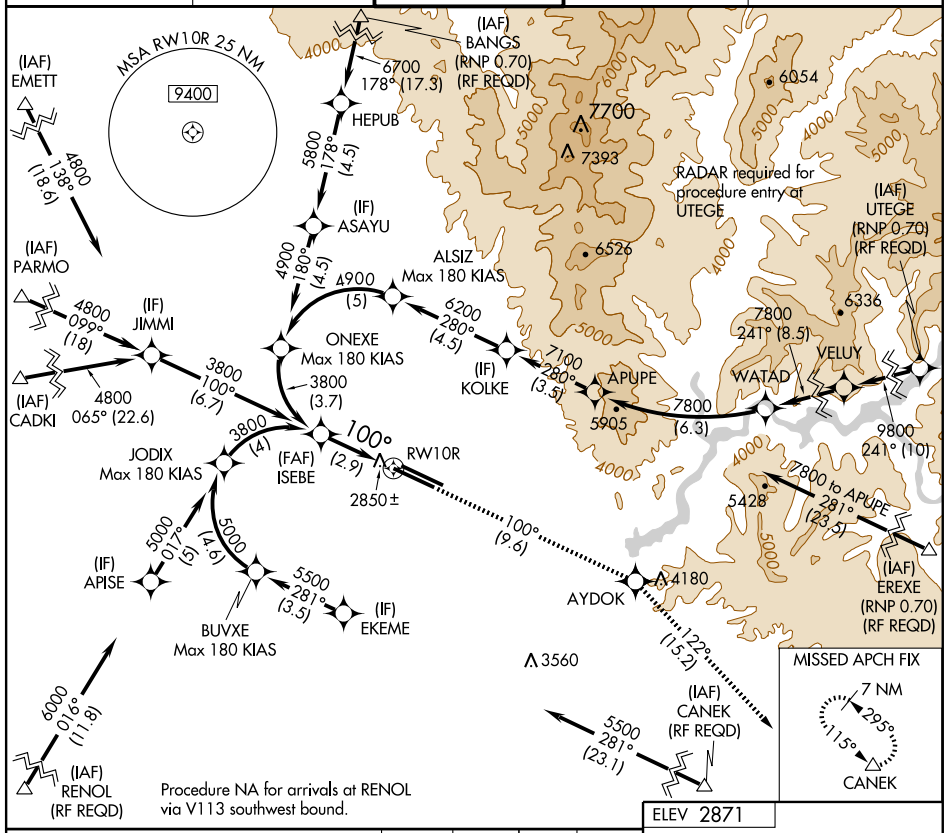
BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

GPS required. For uncompensated Baro-VNAV systems, procedure NA below -14°C (7°F) or above 42°C (107°F). For inoperative SSALR increase RNP 0.15 and RNP 0.30 visibility all Cats to RVR 5000.

SSALR (A3)

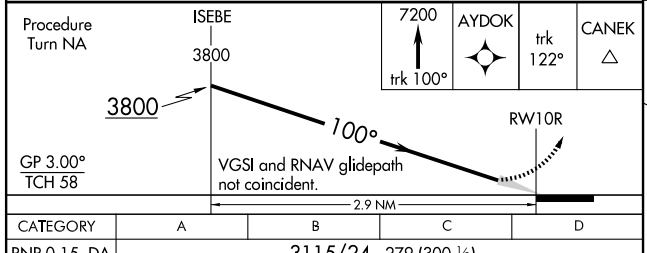
MISSED APPROACH: Climb to 7200 via track 100° to AYDOK and via track 122° to CANEK and hold.

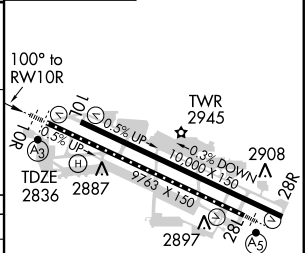
ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2



ELEV 2871

Procedure Turn NA





CATEGORY	A	B	C	D
RNP 0.15 DA	3115/24	279 (300-½)		
RNP 0.30 DA	3151/40	315 (300-¾)		

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L

NW-1. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	9763
280°	TDZE	2858
	Apt Elev	2871

RNAV (RNP) Z RWY 28L

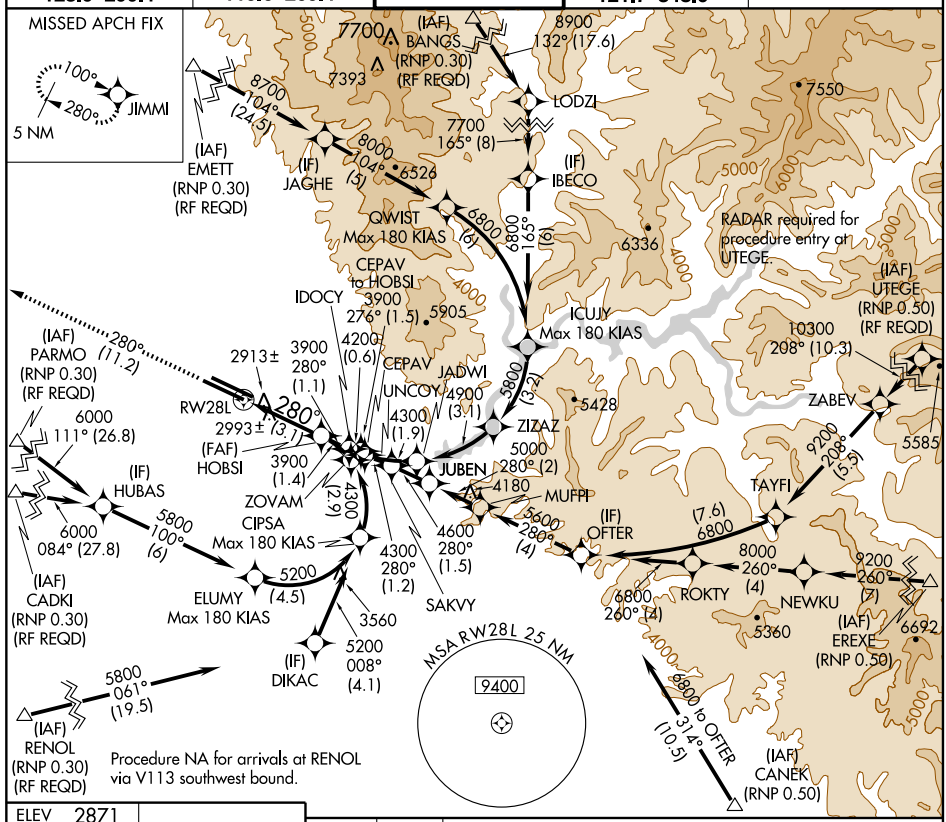
BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

GPS required. For uncompensated Baro-VNAV systems, procedure NA below -14°C (7°F) or above 42°C (107°F). For inoperative MALSR increase RNP 0.15 and RNP 0.25 visibility to RVR 6000, and RNP 0.30 to 1½.

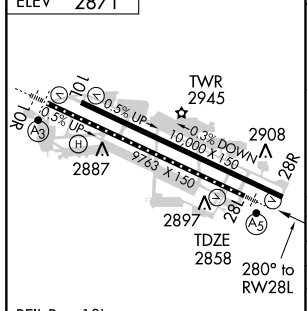
MALSR

MISSED APPROACH: Climb to 6000 via track 280° to JIMMI and hold, continue climb-in-hold to 6000.

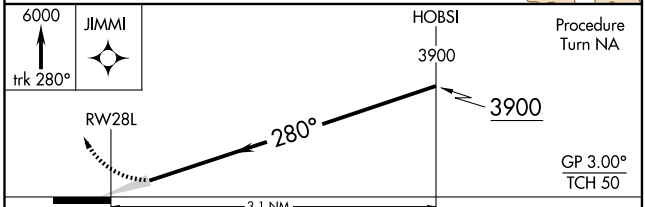
ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2



ELEV 2871



REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L



CATEGORY	A	B	C	D
RNP 0.15 DA	3228/40	370 (400-¾)		
RNP 0.25 DA	3250/50	392 (400-1)		
RNP 0.30 DA	3315/60	457 (500-1¼)		

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

NW-1. 14 JAN 2010 to 11 FEB 2010

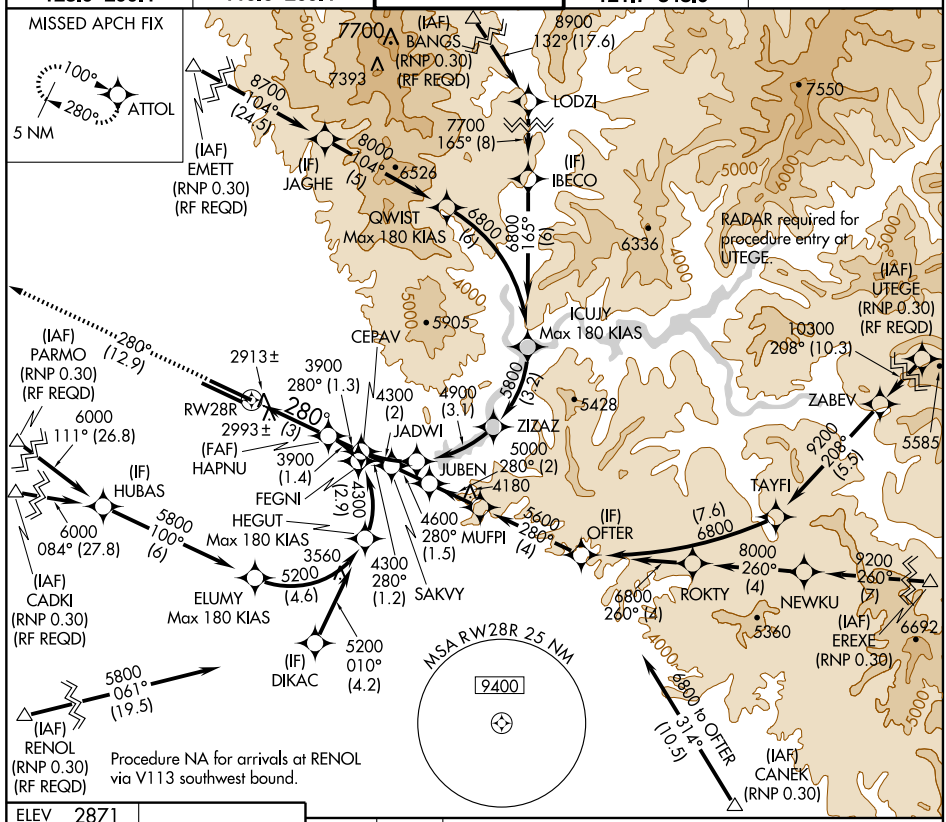
APP CRS	Rwy ldg	10000
280°	TDZE	2871
	Apt Elev	2871

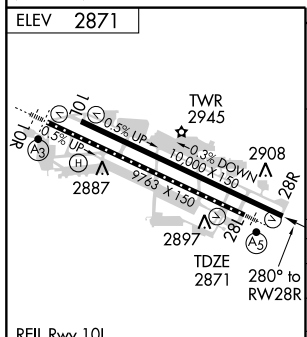
RNAV (RNP) Z RWY 28R
BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

GPS required. For uncompensated Baro-VNAV systems, procedure NA below -14°C (7°F) or above 42°C (107°F). Visibility reduction by helicopters NA.

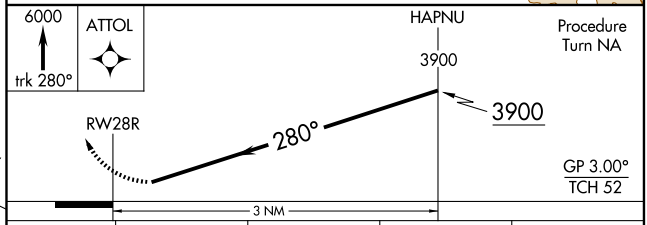
MISSED APPROACH: Climb to 6000 via track 280° to ATTOL and hold, continue climb-in-hold to 6000.

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2





REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L



CATEGORY	A	B	C	D
RNP 0.15 DA	3204/60 333 (400-1¼)			
RNP 0.30 DA	3304-1½ 433 (500-1½)			

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

NW-1. 14 JAN 2010 to 11 FEB 2010

VORTAC BOI 113.3 Chan 80	APP CRS 101°	Rwy ldg 10000 TDZE 2844 Apt Elev 2871

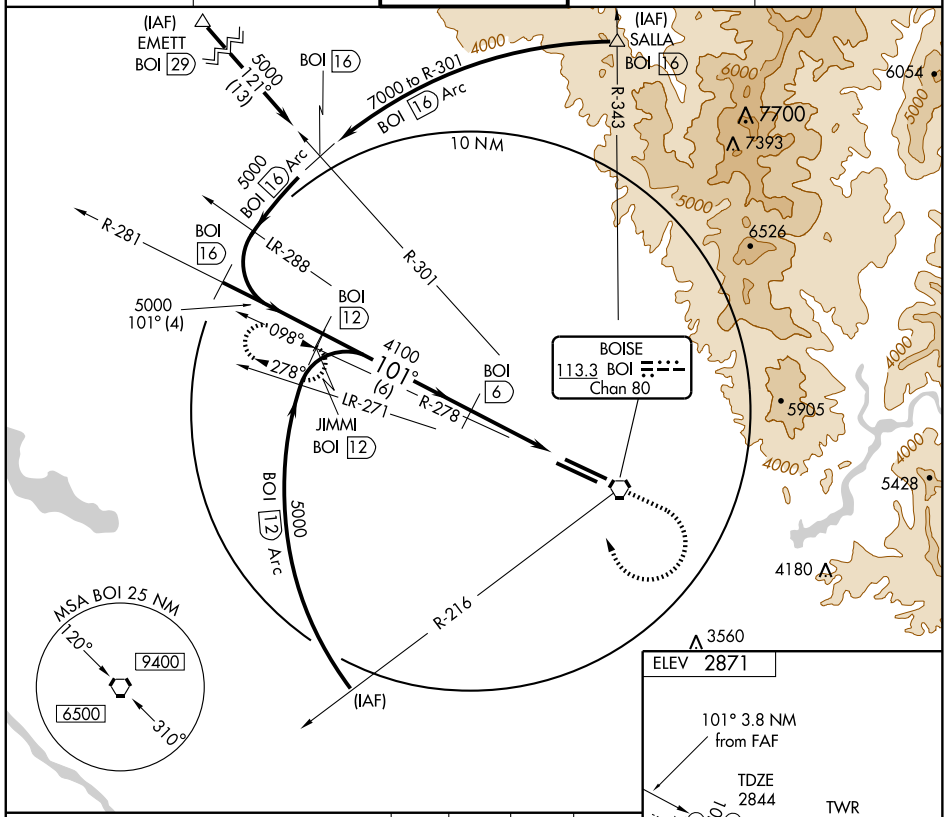
VOR/DME or TACAN RWY 10L

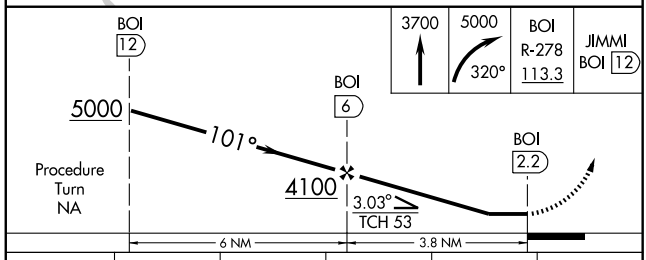
BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

Circling not authorized north of Rwy 10L-28R.

MISSED APPROACH: Climb to 3700 then climbing right turn to 5000 via heading 320° and BOI R-278 to JIMMI INT and hold.

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2





3700	5000	BOI R-278 113.3	JIMMI BOI 12
↑	320°		

CATEGORY	A	B	C	D	E
S-10L	3180-1 336 (400-1)				3180-1¼ 336 (400-1¼)
CIRCLING	3300-1 429 (500-1)	3340-1 469 (500-1)	3340-1½ 469 (500-1½)	3440-2 569 (600-2)	3740-3 869 (900-3)

REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L

NW-1, 14 JAN 2010 to 11 FEB 2010

BOISE, IDAHO

AL-57 (FAA)

VOR/DME or TACAN RWY 28L

BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

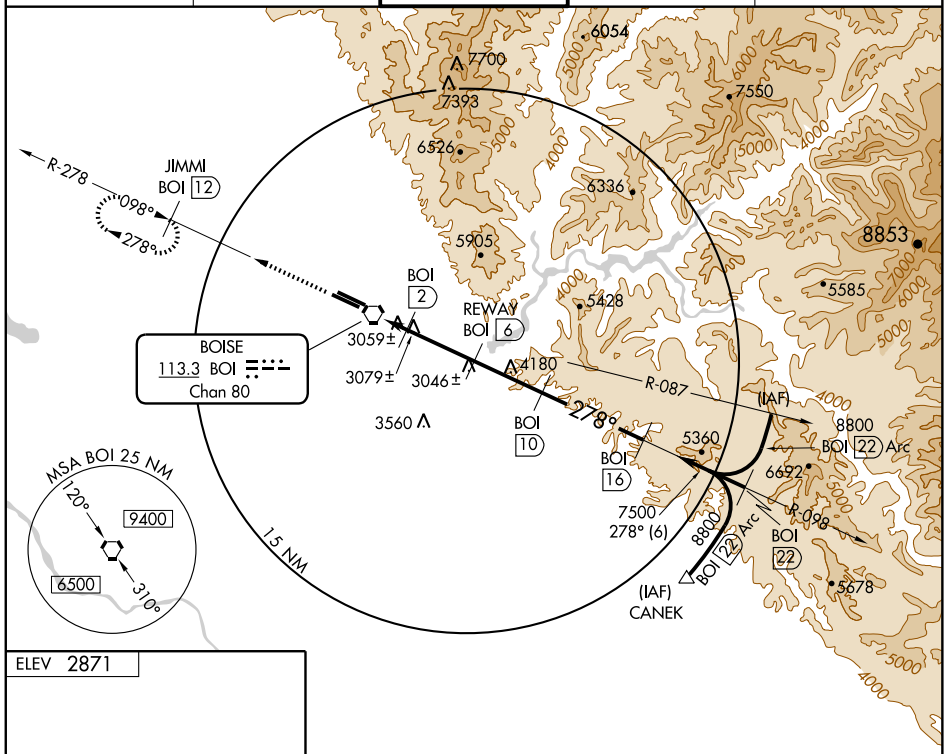
VORTAC BOI 113.3 Chan 80	APP CRS 278°	Rwy ldg 28L 9763 TDZE 2858 Apt Elev 2871	Rwy ldg 28R 10000 TDZE 2871 Apt Elev 2871

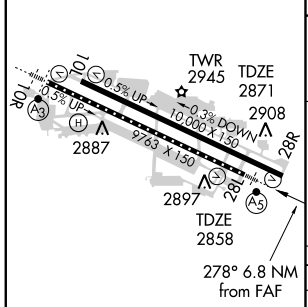
T Circling not authorized north of Rwy 10L-28R.
A For inoperative MALSR increase Cat E visibilities ½ mile.

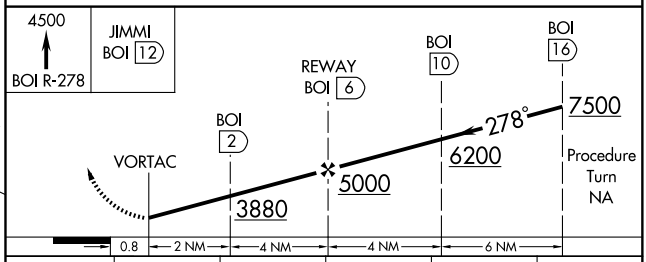
MALSR Rwy 28L (A5)

MISSED APPROACH: Climb to 4500 via BOI R-278 to JIMMI and hold.

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2







CATEGORY	A	B	C	D	E
S-28L	3380/24	522 (600-½)	3380/50 522 (600-1)	3380/60	522 (600-1¼)
SIDESTEP RWY 28R	3380/60	509 (600-1¼)	3380-1¾ 509 (600-1¾)	3380-2¼	509 (600-2¼)
CIRCLING	3380-1	509 (600-1)	3380-1½ 509 (600-1½)	3440-2 569 (600-2)	3740-3 869 (900-3)

REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L

NW-1, 14 JAN 2010 to 11 FEB 2010

VORTAC BOI 113.3 Chan 80	APP CRS 098°	Rwy ldg 9763 TDZE 2833 Apt Elev 2868

VOR/DME RWY 10R

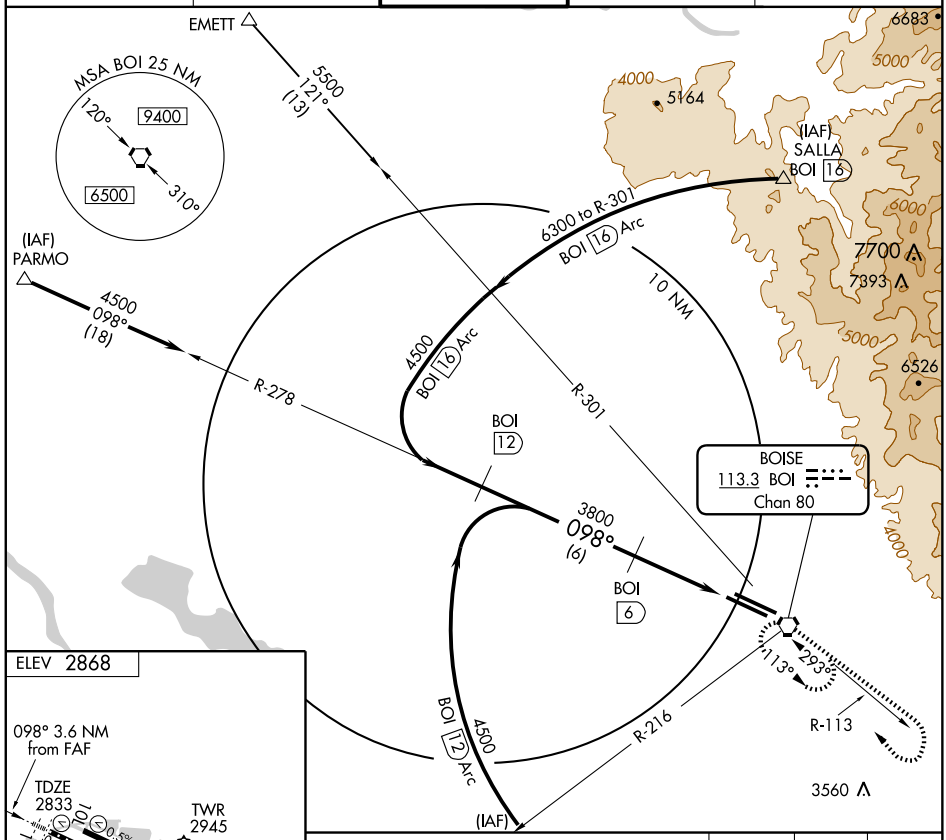
BOISE AIR TERMINAL (GOWEN FIELD) (BOI)

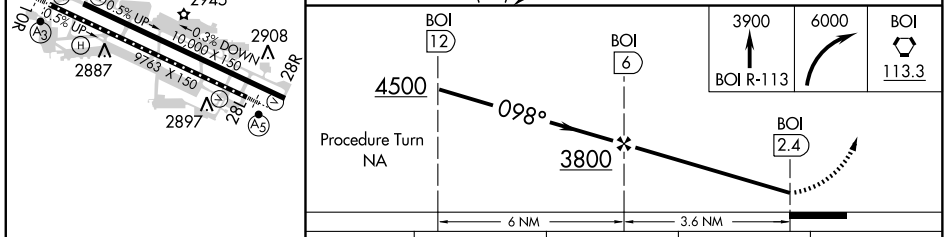
Inoperative table does not apply to Cat D.
Circling not authorized north of Rwy 10L-28R.

SSALR (A3)

MISSED APPROACH: Climb to 3900 via BOI R-113 within 6 NM, then climbing right turn to 6000 direct BOI VORTAC and hold.

ATIS	BOISE APP CON	BOISE TOWER	GND CON	CLNC DEL
123.9 290.4	119.6 269.4	118.1 257.8	121.7 348.6	125.9 323.2





CATEGORY	A	B	C	D
S-10R	3160/24 327 (400-½)			3160/50 327 (400-1)
CIRCLING	3300-1 432 (500-1)	3320-1 452 (500-1)	3320-1½ 452 (500-1½)	3420-2 552 (600-2)

REIL Rwy 10L
TDZ/CL Rwys 10R and 28L
HIRL Rwys 10L-28R and 10R-28L

APP CRS	Rwy ldg	3794
200°	TDZE	4149
	Apt Elev	4150

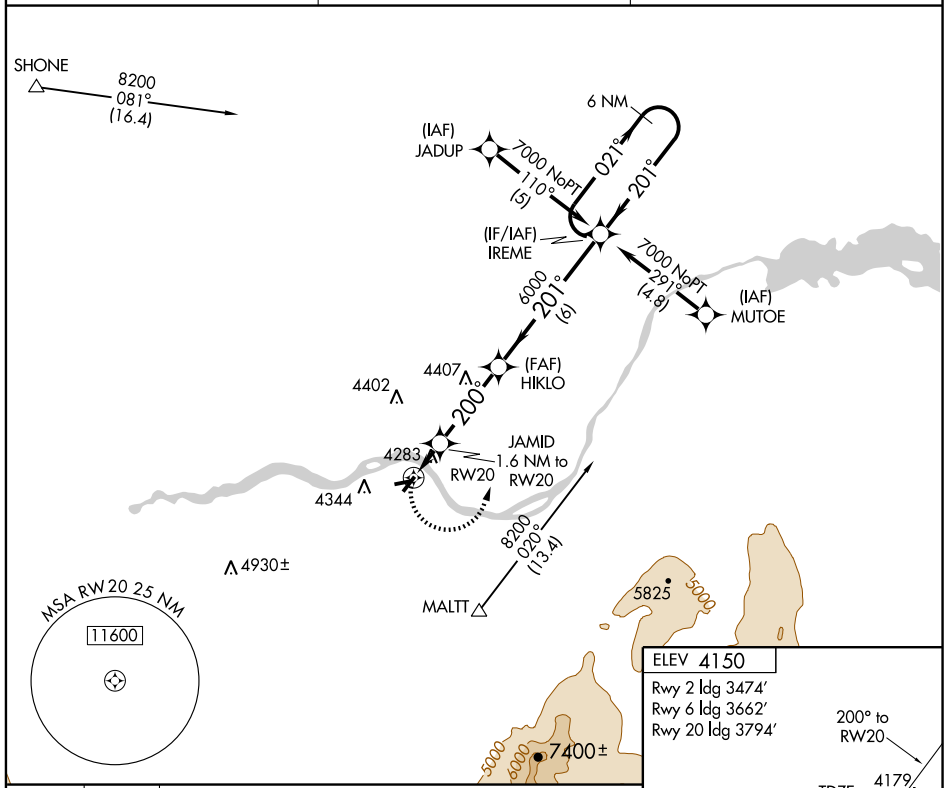
RNAV (GPS) RWY 20

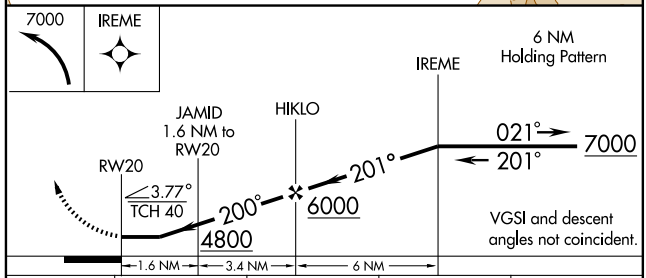
BURLEY MUNI (BYI)

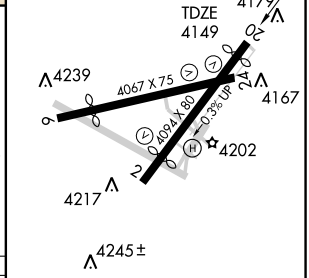
If local altimeter setting not received, use Joslin Field-Magic Valley Rgnl altimeter setting and increase all MDAs by 80 feet. GPS or RNP -0.3 required. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing left turn to 7000 direct IREME WP and hold.

ASOS	TWIN FALLS APP CON★	CTAF
135.575	126.7 353.75	122.9 L







CATEGORY	A	B	C	D
LNAV MDA	4560-1 411 (500-1)		4560-1¼ 411 (500-1¼)	NA
CIRCLING	4660-1 510 (600-1)		4660-1½ 510 (600-1½)	NA

REIL Rwy 20
MIRL Rwys 2-20 and 6-24 L

NW-1. 14 JAN 2010 to 11 FEB 2010

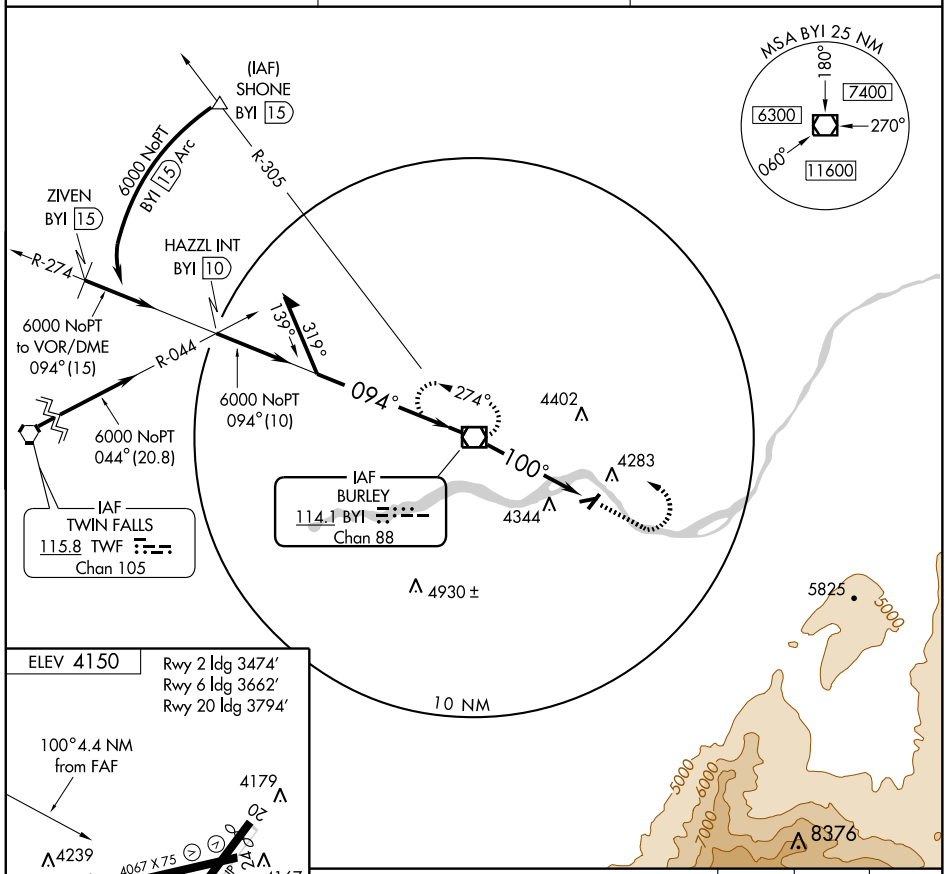
VOR/DME BYI 114.1 Chan 88	APP CRS 100°	Rwy ldg N/A TDZE N/A Apt Elev 4150

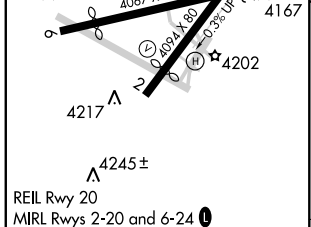
VOR-A
BURLEY MUNI (BYI)

If local altimeter setting not received, use Joslin Field-Magic Valley Rgnl altimeter setting and increase all MDAs 80 feet.

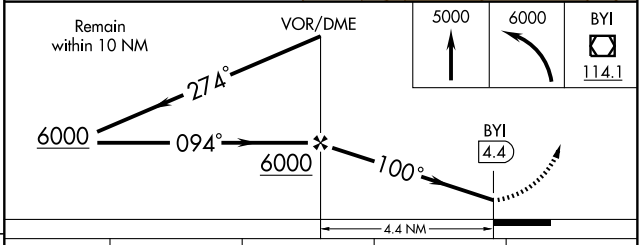
MISSED APPROACH: Climb to 5000 then climbing left turn to 6000 direct BYI VOR/DME and hold.

ASOS	TWIN FALLS APP CON ★	CTAF
135.575	126.7 353.75	122.9 L





REIL Rwy 20
MIRL Rwys 2-20 and 6-24 L



FAF to MAP 4.4 NM					
Knots	60	90	120	150	180
Min:Sec	4:24	2:56	2:12	1:46	1:28

CATEGORY	A	B	C	D
CIRCLING	4660-1 510 (600-1)		4660-1½ 510 (600-1½)	4700-2 550 (600-2)

NW-1, 14 JAN 2010 to 11 FEB 2010

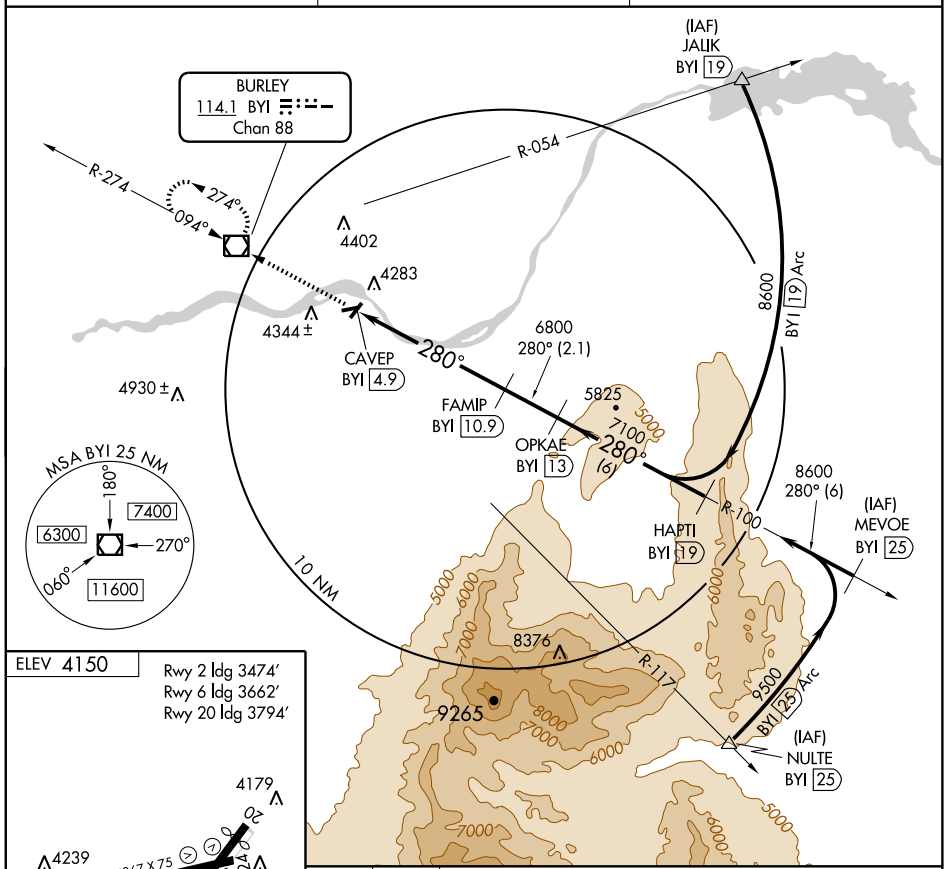
VOR/DME BYI 114.1 Chan 88	APP CRS 280°	Rwy ldg N/A TDZE N/A Apt Elev 4150

VOR/DME-B
BURLEY MUNI (BYI)

If local altimeter setting not received, use Joslin Field-Magic Valley Rgnl altimeter setting and increase all MDAs 80 feet.

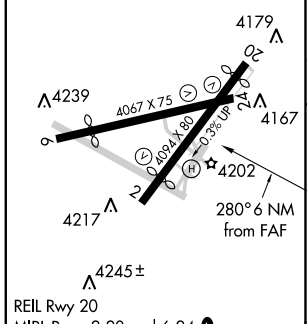
MISSED APPROACH: Climb to 6000 direct BYI VOR/DME and hold.

ASOS	TWIN FALLS APP CON ★	CTAF
135.575	126.7 353.75	122.9 L

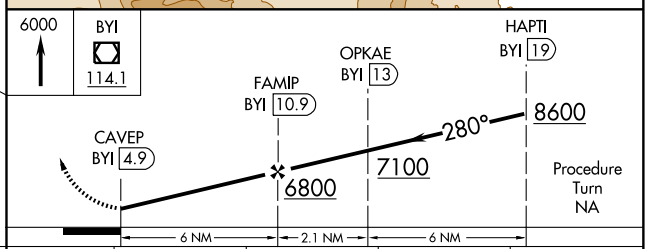


ELEV 4150

Rwy 2 ldg 3474′
Rwy 6 ldg 3662′
Rwy 20 ldg 3794′



REIL Rwy 20
MIRL Rwys 2-20 and 6-24 L



Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
CIRCLING	4660-1 510 (600-1)		4660-1½ 510 (600-1½)	4700-2 550 (600-2)

NW-1. 14 JAN 2010 to 11 FEB 2010

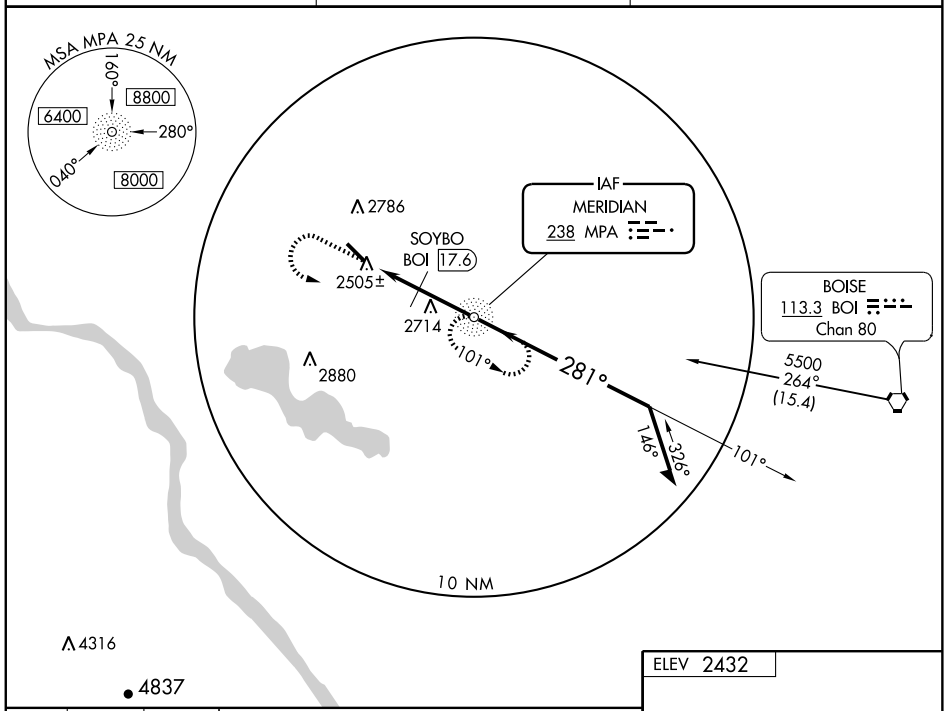
NDB MPA	APP CRS	Rwy ldg	5500
238	281°	TDZE	2432
		Apt Elev	2432

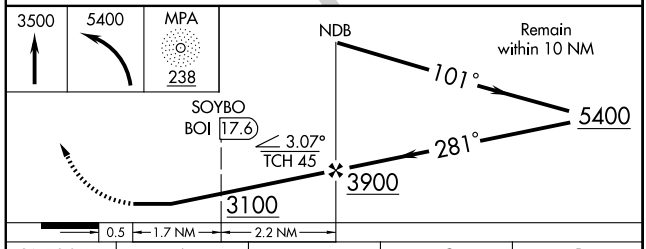
NDB RWY 30
CALDWELL INDUSTRIAL (EUL)

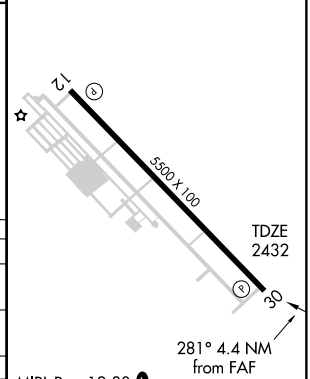
When local altimeter setting not received, use Boise altimeter setting and increase all MDA 120 feet and all visibilities ½ mile.

MISSED APPROACH: Climb to 3500 then climbing left turn to 5400 direct MPA NDB and hold, continue climb-in-hold to 5400.

AWOS-3	BOISE APP CON	UNICOM
135.075	119.6 269.4	122.7 (CTAF) L







CATEGORY	A	B	C	D
S-30	3100-1 668 (700-1)		3100-1¾ 668 (700-1¾)	3100-2 668 (700-2)
CIRCLING	3100-1 668 (700-1)		3100-1¾ 668 (700-1¾)	3100-2 668 (700-2)
DME MINIMUMS				
S-30	2940-1 508 (600-1)		2940-1½ 508 (600-1½)	
CIRCLING	3100-1 668 (700-1)		3100-1¾ 668 (700-1¾)	3100-2 668 (700-2)

FAF to MAP 3.9 NM

Knots	60	90	120	150	180
Min:Sec	3:54	2:36	1:57	1:34	1:18

NW-1, 14 JAN 2010 to 11 FEB 2010

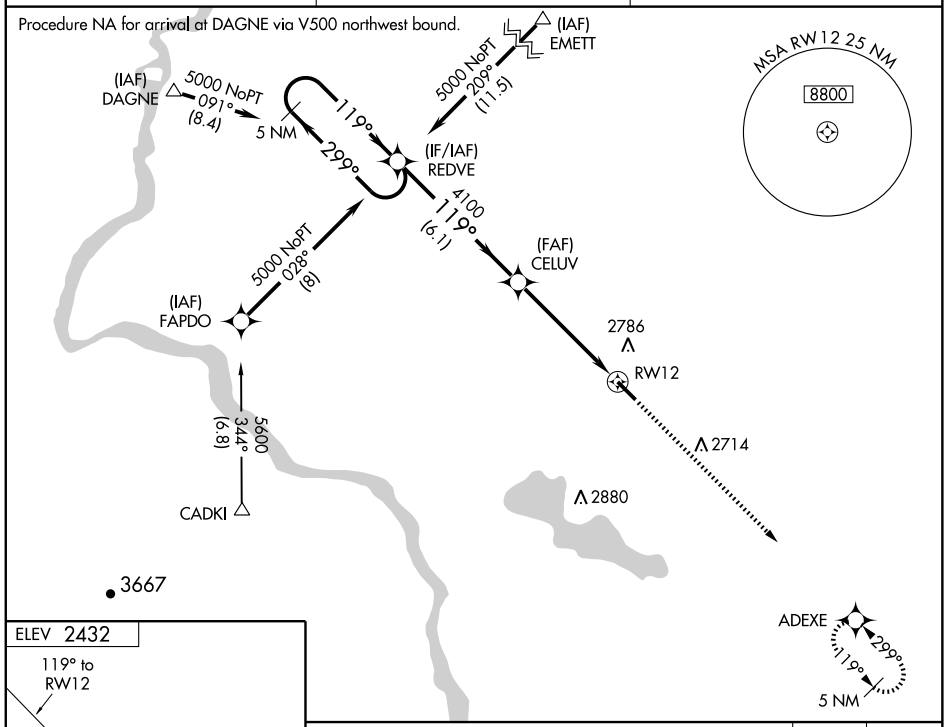
WAAS CH 97707 W12A	APP CRS 119°	Rwy ldg 5500 TDZE 2431 Apt Elev 2432

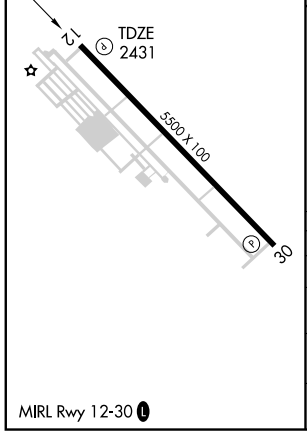
RNAV (GPS) RWY 12
CALDWELL INDUSTRIAL (EUL)

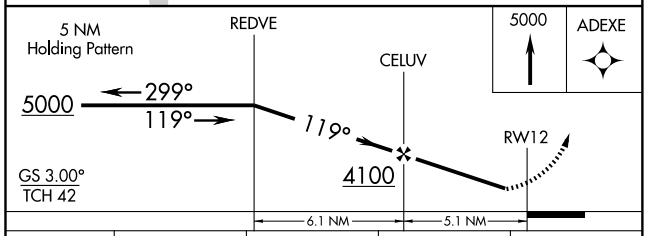
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
Baro-VNAV NA when using Boise altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (-2°F) or above 44°C (111°F). When local altimeter setting not received, use Boise altimeter setting and increase all DA/MDA 120 feet and all visibilities ½ mile.

MISSED APPROACH: Climb to 5000 direct ADEXE and hold.

AWOS-3	BOISE APP CON	UNICOM
135.075	119.6 269.4	122.7 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	2700-1 269 (300-1)			
LNAV/VNAV DA	2994-2 563 (600-2)			
LNAV MDA	2840-1 409 (500-1)		2840-1¼ 409 (500-1¼)	
CIRCLING	3100-1 668 (700-1)		3100-1¾ 668 (700-1¾)	3100-2 668 (700-2)

NW-1, 14 JAN 2010 to 11 FEB 2010

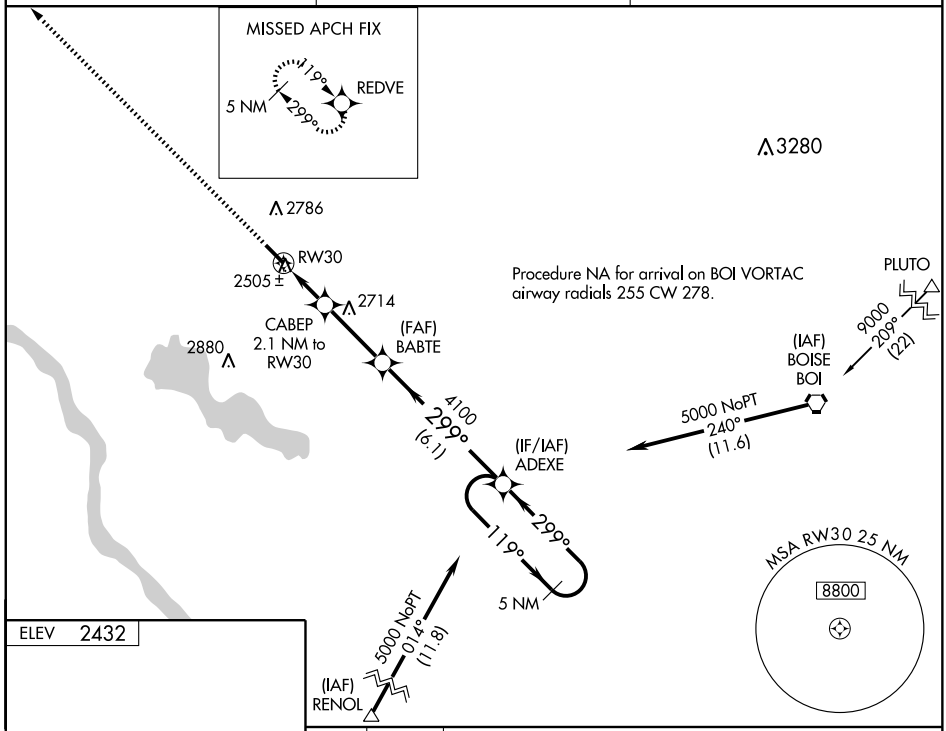
WAAS CH 73007 W30A	APP CRS 299°	Rwy ldg 5500 TDZE 2432 Apt Elev 2432

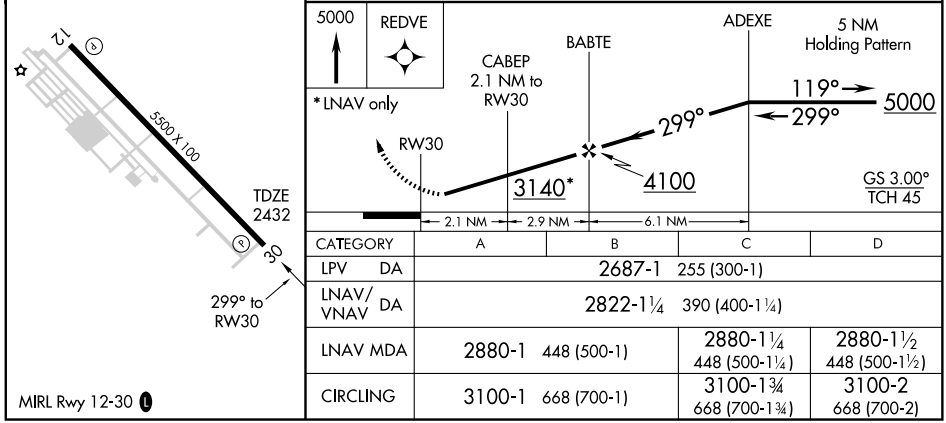
RNAV (GPS) RWY 30
CALDWELL INDUSTRIAL (EUL)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
Baro-VNAV NA when using Boise altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (-2°F) or above 44°C (111°F). When local altimeter setting not received, use Boise altimeter setting and increase all DA/MDA 120 feet and all visibilities ½ mile.

MISSED APPROACH: Climb to 5000 direct REDVE and hold.

AWOS-3	BOISE APP CON	UNICOM
135.075	119.6 269.4	122.7 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	2687-1 255 (300-1)			
LNAV/VNAV DA	2822-1¼ 390 (400-1¼)			
LNAV MDA	2880-1 448 (500-1)		2880-1¼ 448 (500-1¼)	2880-1½ 448 (500-1½)
CIRCLING	3100-1 668 (700-1)		3100-1¾ 668 (700-1¾)	3100-2 668 (700-2)

LOC I-COE	APP CRS	Rwy ldg	7400
110.7	051°	TDZE	2290
		Apt Elev	2320

ILS or LOC/DME RWY 5

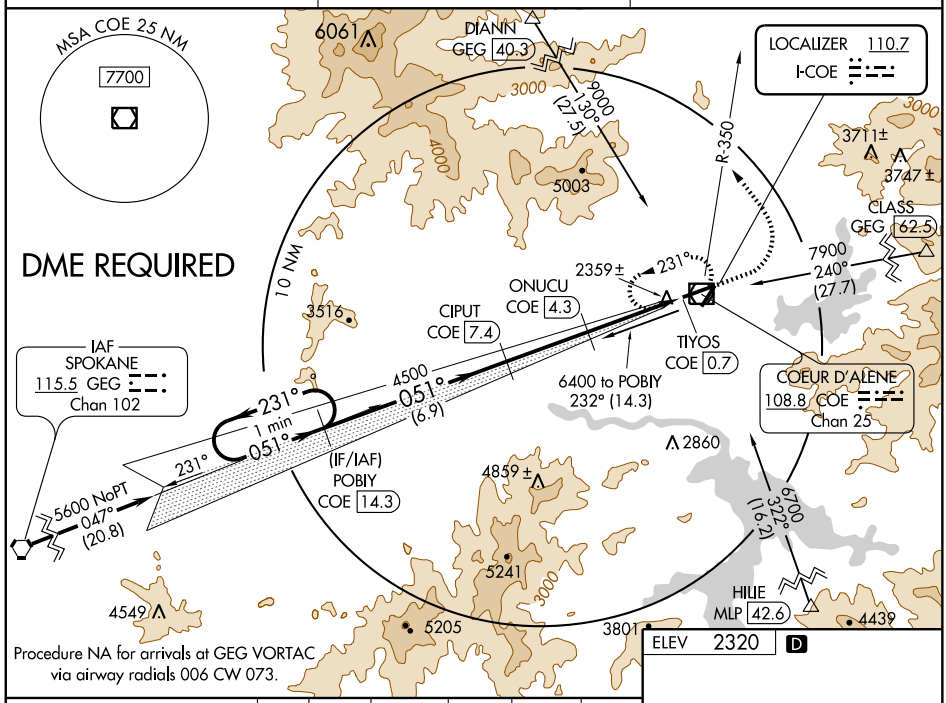
COEUR D'ALENE-PAPPY BOYINGTON FIELD (COE)

Simultaneous reception of I-COE localizer and COE DME required.
Autopilot coupled approach NA below 2795.
When local altimeter setting not received, use Spokane Intl altimeter setting and increase all DA/MDA 80 feet and all visibilities ¼ mile.

MALSR

MISSED APPROACH: Climb to 2900 then climbing left turn to 6000 via COE R-350 outbound then climbing left turn to 6500 via COE R-350 inbound to COE VOR/DME and hold.

AWOS-3	SPOKANE APP CON	UNICOM
135.075	132.1 263.0	122.8 (CTAF) L



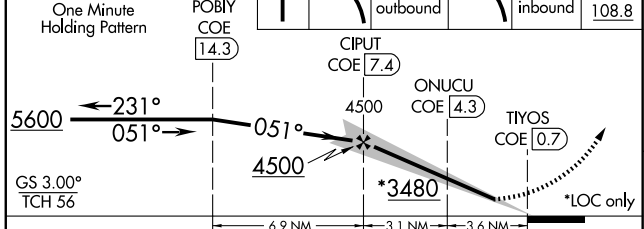
Procedure NA for arrivals at GEG VORTAC via airway radials 006 CW 073.

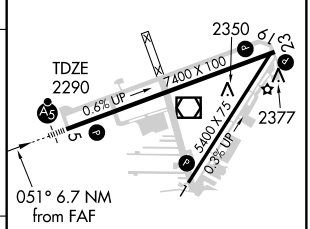
ELEV 2320 D

Use COE DME when on the localizer course.

2900	6000	COE R-350 outbound	6500	COE R-350 inbound	COE 108.8

One Minute Holding Pattern





CATEGORY	A	B	C	D
S-ILS 5	2490-½ 200 (200-½)			
S-LOC 5	2860-½ 570 (600-½)		2860-1 570 (600-1)	2860-1¼ 570 (600-1¼)
CIRCLING	2860-1 540 (600-1)		2880-1½ 560 (600-1½)	2880-2 560 (600-2)

MIRL Rwy 1-19 L
HIRL Rwy 5-23 L
REIL Rwys 1 and 23 L

NW-1, 14 JAN 2010 to 11 FEB 2010

NDB LEN	APP CRS	Rwy ldg	7400
347	052°	TDZE	2290
		Apt Elev	2320

NDB RWY 5

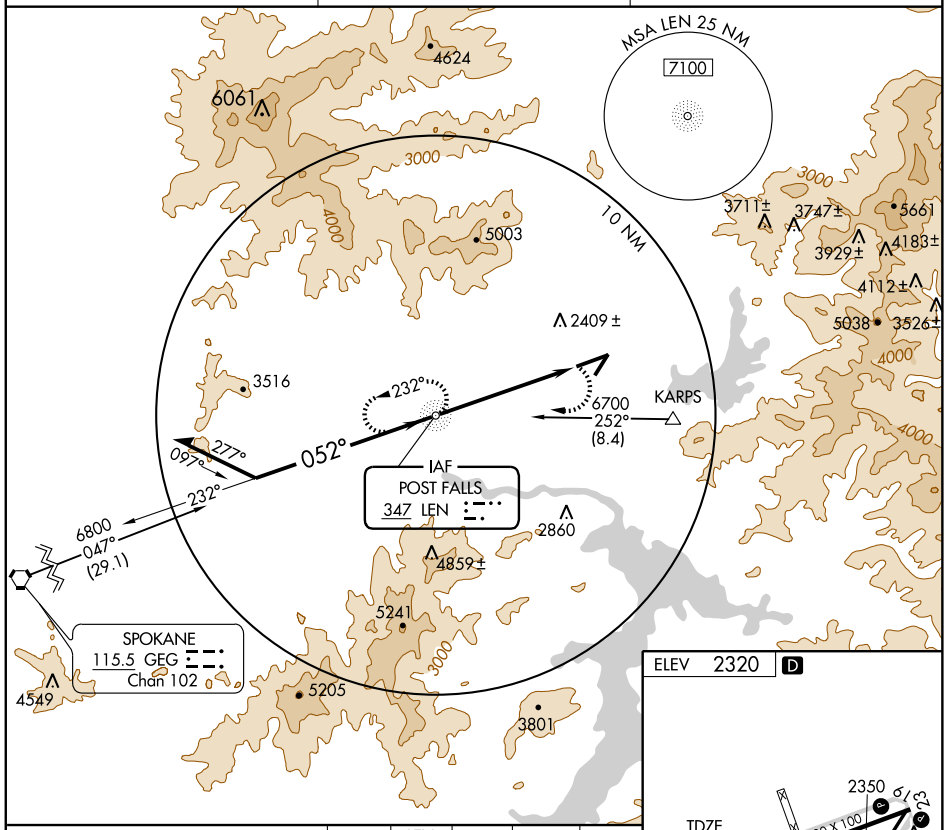
COEUR D'ALENE-PAPPY BOYINGTON FIELD (COE)

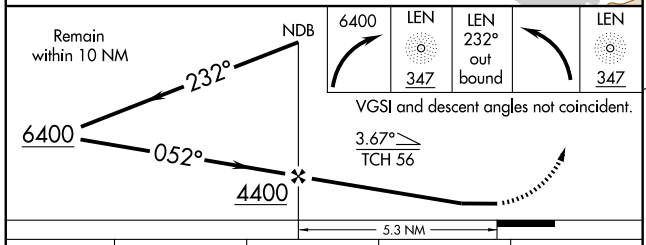
When local altimeter setting not received, use Spokane Intl altimeter setting and increase all MDA 80 feet and S-5 and circling Cat C visibility ¼ mile.

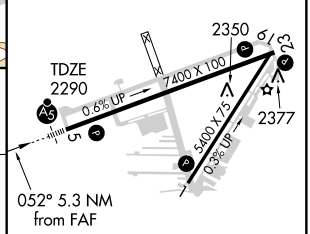
MALSR

MISSED APPROACH: Climbing right turn to 6400 direct LEN NDB and via LEN NDB bearing 232° outbound then left turn direct LEN NDB and hold.

AWOS-3	SPOKANE APP CON	UNICOM
135.075	132.1 263.0	122.8 (CTAF) L







MIRL Rwy 1-19 L
HIRL Rwy 5-23 L
REIL Rwys 1 and 23 L

CATEGORY	A	B	C	D
S-5	2780-¾ 490 (500-¾)	2900-¾ 610 (600-¾)	2920-1¼ 630 (600-1¼)	NA
CIRCLING	2920-1 600 (600-1)		2920-1½ 600 (600-1½)	NA

FAF to MAP 5.3 NM

Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

NW-1, 14 JAN 2010 to 11 FEB 2010

WAAS CH 70608 W05A	APP CRS 051°	Rwy ldg 7400 TDZE 2290 Apt Elev 2320

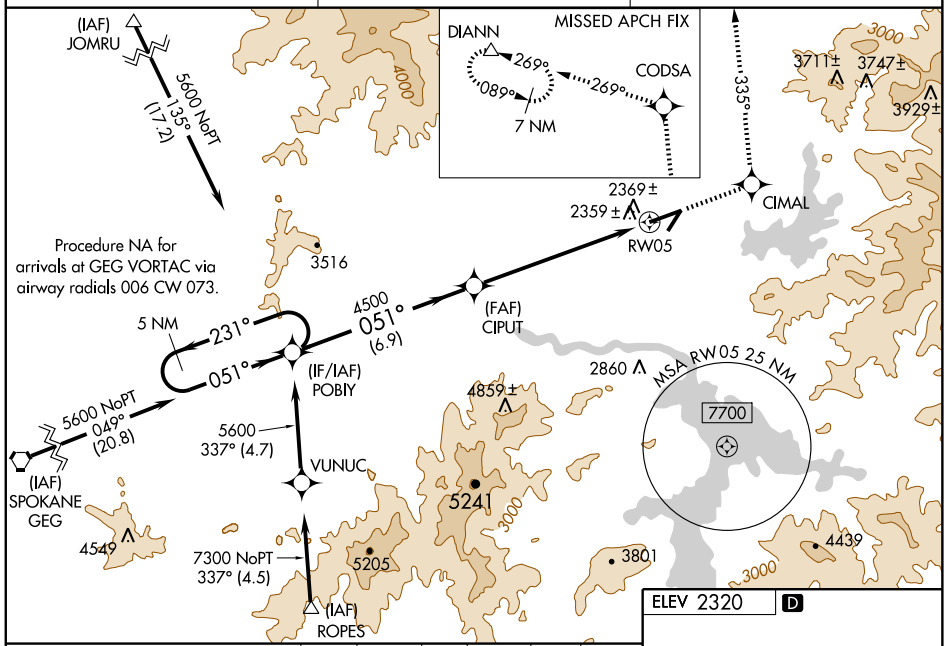
RNAV (GPS) RWY 5
COEUR D'ALENE-PAPPY BOYINGTON FIELD (COE)

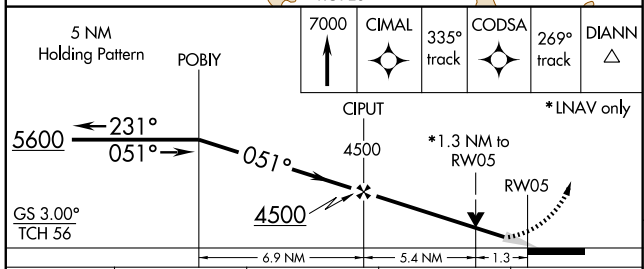
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (-2°F) or above 44°C (111°F). DME/DME RNP- 0.3 NA. When local altimeter setting not received, use Spokane Intl altimeter setting and increase all DA/MDA 80 feet and all visibilities ¼ mile. Baro-VNAV and VDP NA when using Spokane Intl altimeter setting. For inoperative MALSR when using Spokane Intl altimeter setting, increase LNAV Cats A and B visibility ¼ mile.

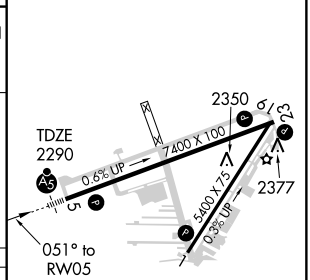
MALSR

MISSED APPROACH: Climb to 7000 direct CIMAL and via 335° track to CODSA and via 269° track to DIANN and hold.

AWOS-3	SPOKANE APP CON	UNICOM
135.075	132.1 263.0	122.8 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	2490-½ 200 (200-½)			
LNAV/VNAV DA	2653-¾ 363 (400-¾)			
LNAV MDA	2740-½ 450 (500-½)		2740-¾ 450 (500-¾)	2740-1 450 (500-1)
CIRCLING	2740-1 420 (500-1)	2860-1 540 (600-1)	2880-1½ 560 (600-1½)	2880-2 560 (600-2)

MIRL Rwy 1-19 L
HIRL Rwy 5-23 L
REIL Rwys 1 and 23 L

VOR/DME COE 108.8 Chan 25	APP CRS 344°	Rwy ldg 5400 TDZE 2311 Apt Elev 2320

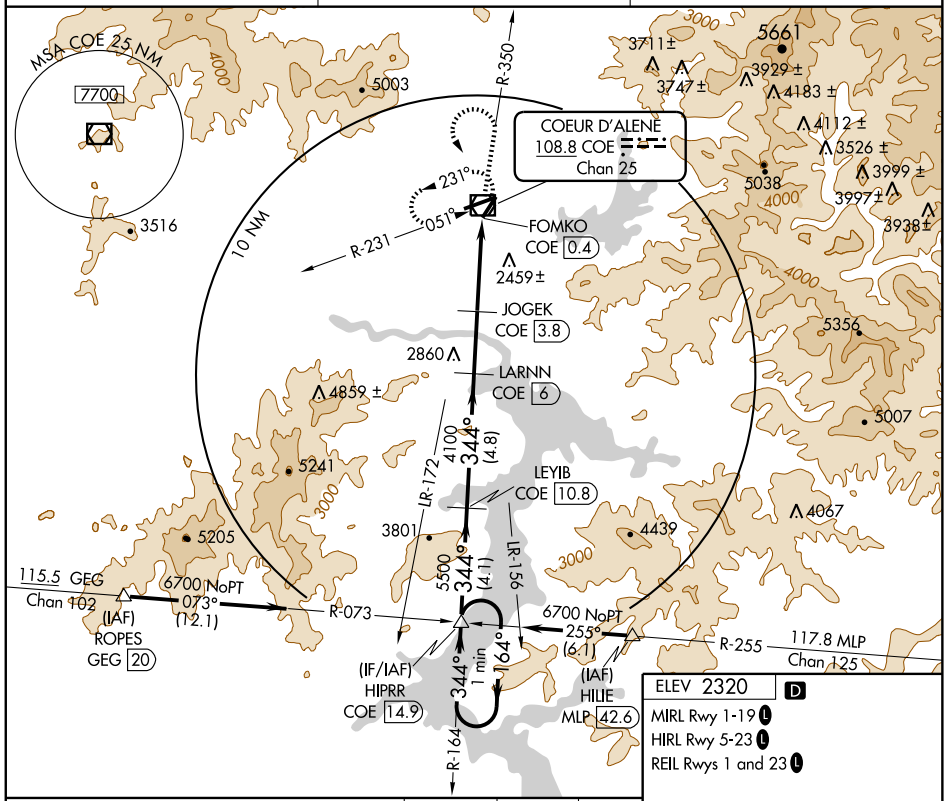
VOR/DME RWY 1

COEUR D'ALENE-PAPPY BOYINGTON FIELD (COE)

Visibility reduction by helicopters NA. When local altimeter setting not received, use Spokane Intl altimeter setting and increase all MDA 80 feet and S-1 and circling Cat C visibility ¼ mile.

MISSED APPROACH: Climb to 6000 via COE R-350 outbound then climbing left turn to 6500 via COE R-350 inbound to COE VOR/DME and hold.

AWOS-3	SPOKANE APP CON	UNICOM
135.075	132.1 263.0	122.8 (CTAF) L



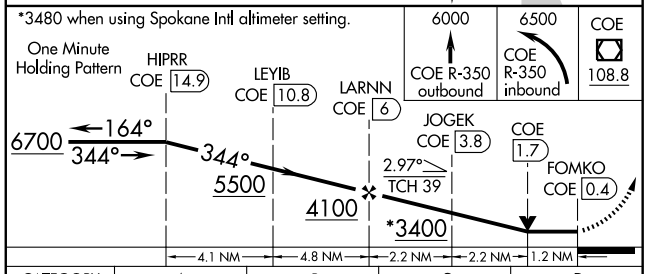
ELEV 2320 D

MIRL Rwy 1-19 L

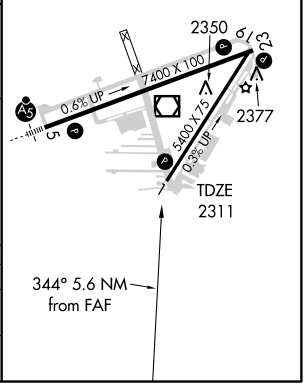
HIRL Rwy 5-23 L

REIL Rwys 1 and 23 L

*3480 when using Spokane Intl altimeter setting.



CATEGORY	A	B	C	D
S-1	2740-1 429 (500-1)		2740-1¼ 429 (500-1¼)	NA
CIRCLING	2740-1 420 (500-1)	2860-1 540 (600-1)	2880-1½ 560 (600-1½)	NA



NW-1, 14 JAN 2010 to 11 FEB 2010

VOR/DME COE	APP CRS	Rwy ldg	7400
108.8	057°	TDZE	2290
Chan 25		Apt Elev	2320

VOR RWY 5

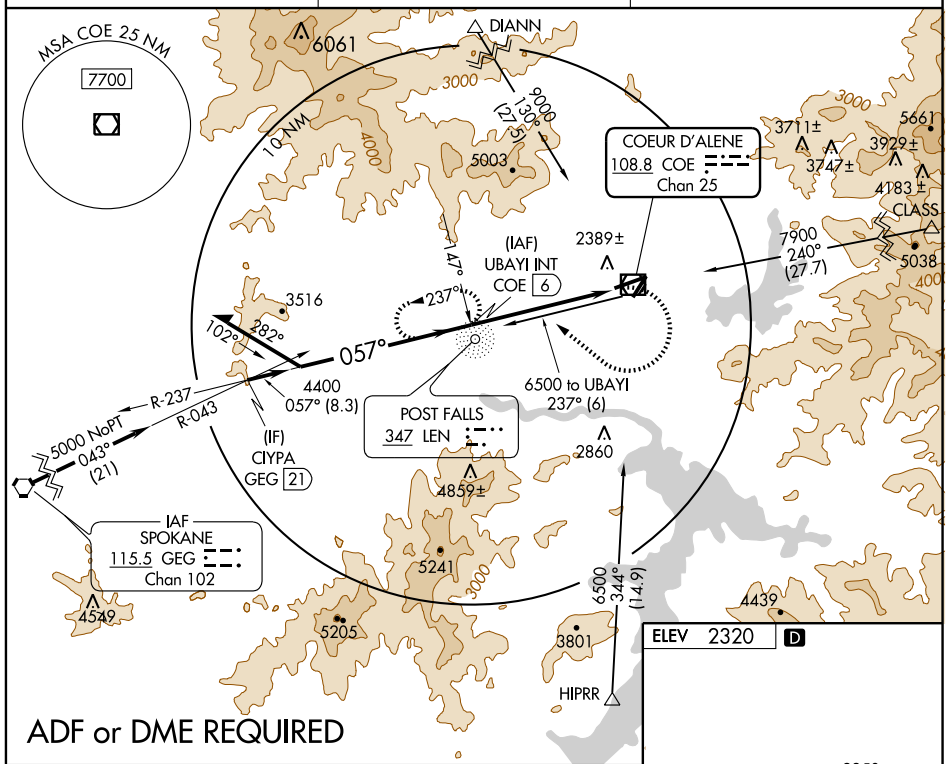
COEUR D'ALENE-PAPPY BOYINGTON FIELD (COE)

When local altimeter setting not received, use Spokane Intl altimeter setting and increase all MDA 80 feet and circling Cat C visibility to 1¾ miles.
VDP NA when using Spokane Intl altimeter setting.
ADF or DME required.

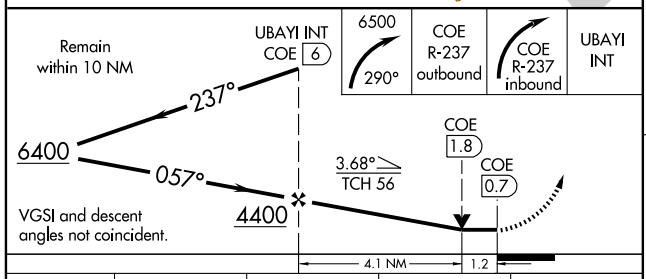
MALSR

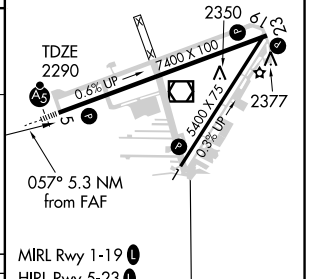
MISSED APPROACH: Climbing right turn to 6500 via heading 290° and COE R-237 outbound then right turn via COE R-237 inbound to UBAYI INT/COE 6 DME and hold.

AWOS-3	SPOKANE APP CON	UNICOM
135.075	132.1 263.0	122.8 (CTAF) L



ADF or DME REQUIRED





MIRL Rwy 1-19 L
HIRL Rwy 5-23 L
REIL Rwys 1 and 23 L

CATEGORY	A	B	C	D
S-5	2700-½ 410 (400-½)		2700-¾ 410 (400-¾)	NA
CIRCLING	2720-1 400 (400-1)	2860-1 540 (600-1)	2880-1½ 560 (600-1½)	NA

FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

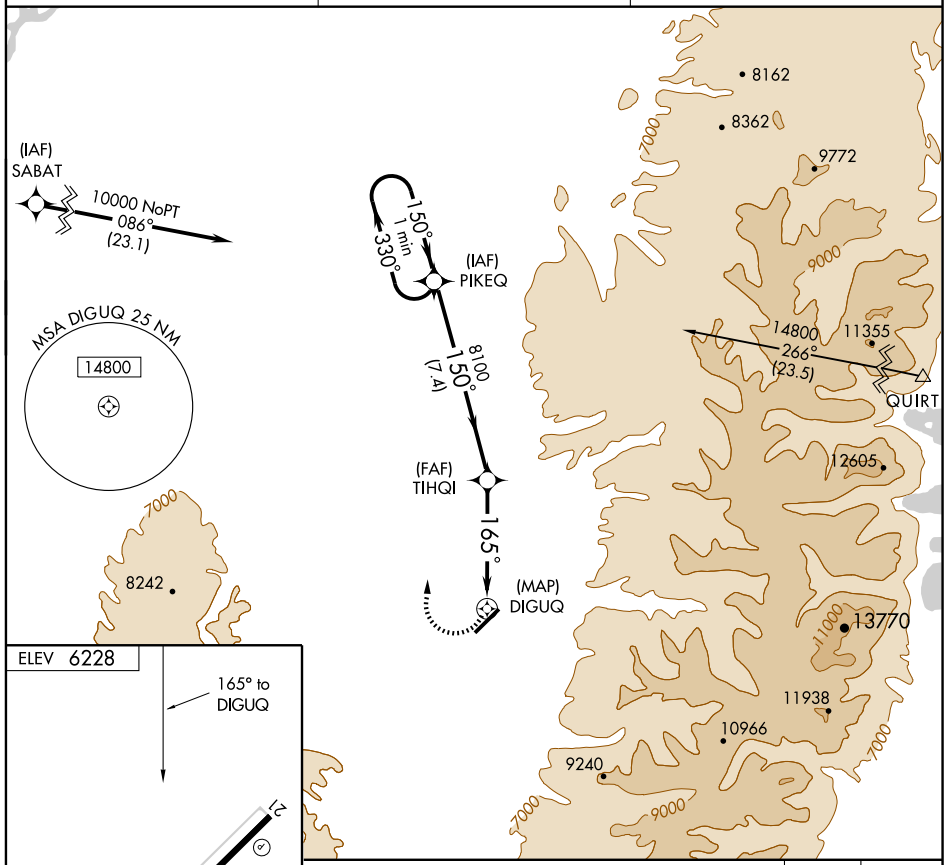
APP CRS	Rwy ldg	N/A
165°	TDZE	N/A
	Apt Elev	6228

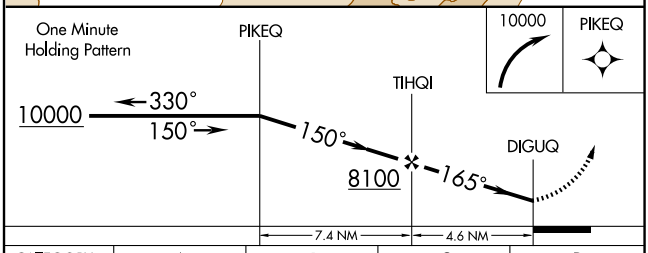
GPS-A
DRIGGS-REED MEMORIAL (DIJ)

T
A NA

MISSED APPROACH: Climbing right turn to 10000 direct PIKEQ and hold.

ASOS	SALT LAKE CENTER	UNICOM
120.775	132.4 239.25	122.7 (CTAF) L





MIRL Rwy 3-21 L
REIL Rwy 21 L

CATEGORY	A	B	C	D
CIRCLING	6780-1 552 (600-1)		6800-1½ 572 (600-1½)	6860-2 632 (700-2)

NW-1, 14 JAN 2010 to 11 FEB 2010

LAMON TWO DEPARTURE (RNAV) (OBSTACLE)

DRIGGS-REED MEMORIAL (DIJ)
DRIGGS, IDAHO

SALT LAKE CENTER
132.4 239.25
UNICOM 122.7 (CTAF)

085°
LAMON
265°
7 NM
033°
6700
213°
6600

TAKE-OFF MINIMUMS
Rwy 3: Standard with minimum climb of 250′ per NM to 7400.
Rwy 21: Standard.

NOTE: GPS required.

NOTE: RNAV 1

TAKE-OFF OBSTACLE NOTES
Rwy 3: Trees 1227′ from DER, 343′ left of centerline, 50′ AGL/6266′ MSL.
Trees 697′ from DER, 327′ right of centerline, 50′ AGL/6246′ MSL.
Trees 2106′ from DER, 469′ right of centerline, 50 AGL/6282′ MSL.
Rwy 21: Building 1437′ from DER, 730′ left of centerline, 70′ AGL/6189′ MSL.
Building 52′ from DER, 473′ right of centerline, 50 AGL/6191′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 3: Climb heading 033° to 6700, then climbing left turn direct LAMON. Thence....

TAKE-OFF RUNWAY 21: Climb heading 213° to 6600, then climbing right turn direct LAMON. Thence....

....cross LAMON at or above MEA for direction of flight. If required, continue climb in LAMON holding pattern to cross LAMON at or above MEA for direction of flight.

APP CRS	Rwy ldg	7302
018°	TDZE	6180
	Apt Elev	6228

RNAV (GPS) RWY 3

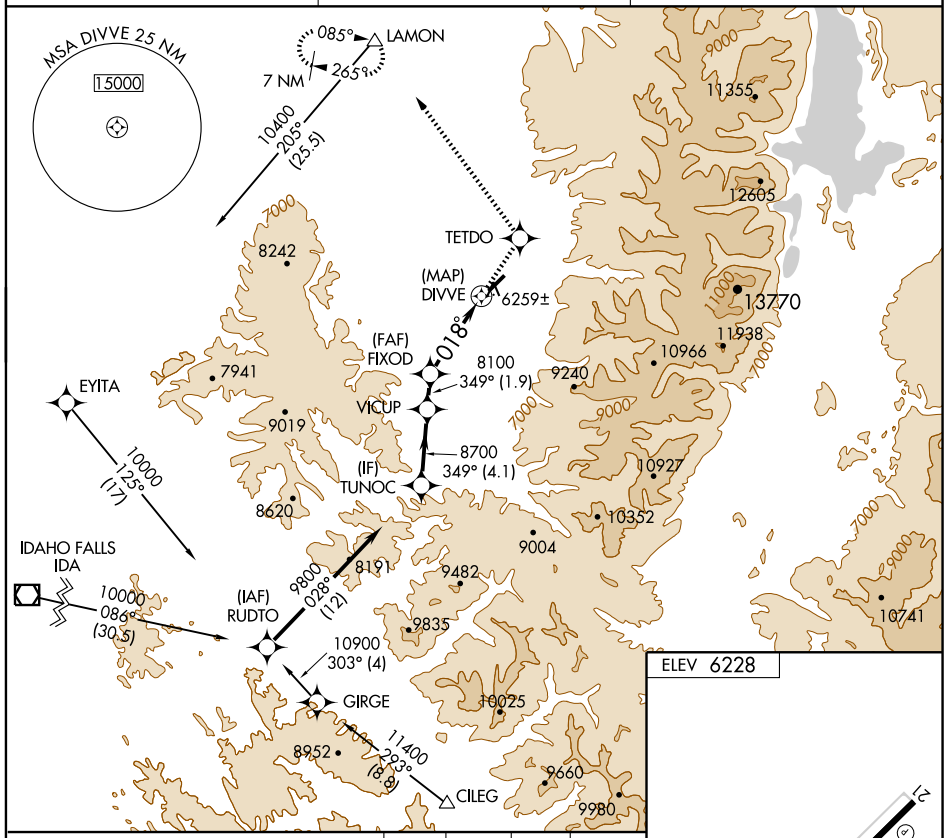
DRIGGS-REED MEMORIAL (DIJ)

NA

DME/DME RNP-0.3 NA.

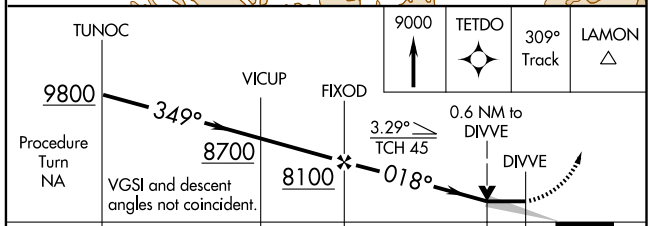
MISSED APPROACH: Climb to 9000 direct TETDO and via 309° track to LAMON and hold.

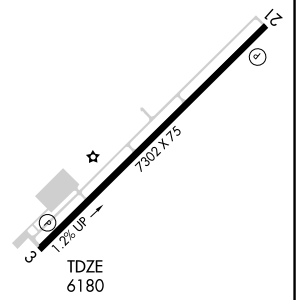
ASOS	SALT LAKE CENTER	UNICOM
120.775	132.4 239.25	122.7 (CTAF) L



ELEV 6228

9000	TETDO	309° Track	LAMON





CATEGORY	A	B	C	D
LNAV MDA	6520-1 340 (400-1)			
CIRCLING	6760-1 532 (600-1)	6780-1 552 (600-1)	6800-1½ 572 (600-1½)	6800-2 572 (600-2)

MIRL Rwy 3-21 L
REIL Rwy 21 L

NW-1, 14 JAN 2010 to 11 FEB 2010

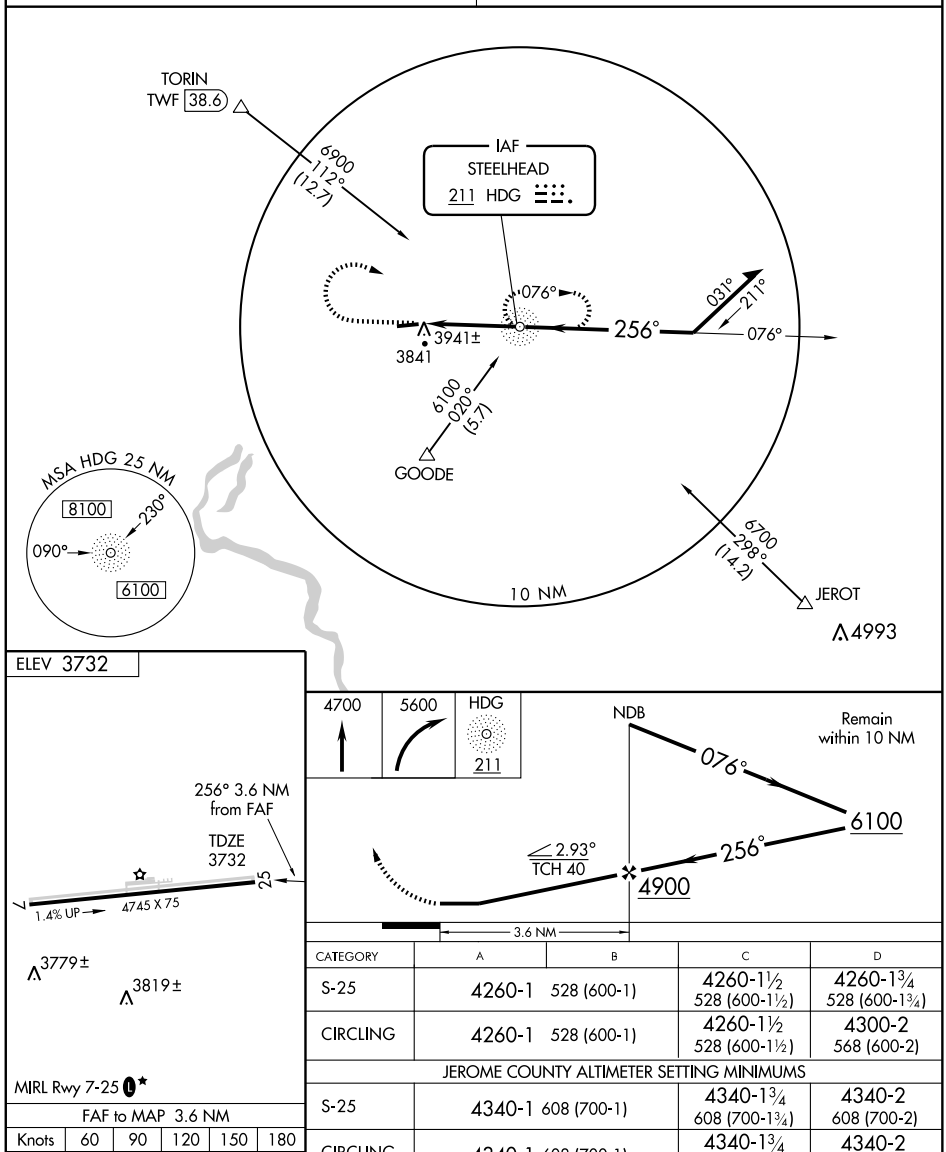
NDB HDG	APP CRS	Rwy ldg	4745
211	256°	TDZE	3732
		Apt Elev	3732

NDB RWY 25
GOODING MUNI (GNG)

Visibility reduction by helicopters NA.
Obtain local altimeter setting on CTAF; when not received use Jerome County altimeter setting.

MISSED APPROACH: Climb to 4700 then climbing right turn to 5600 direct HDG NDB and hold.

SALT LAKE CENTER	UNICOM
118.05 363.0	122.8 (CTAF) L★



FAF to MAP 3.6 NM					
Knots	60	90	120	150	180
Min:Sec	3:36	2:24	1:48	1:26	1:12

CATEGORY	A	B	C	D
S-25	4260-1 528 (600-1)		4260-1½ 528 (600-1½)	4260-1¾ 528 (600-1¾)
CIRCLING	4260-1 528 (600-1)		4260-1½ 528 (600-1½)	4300-2 568 (600-2)
JEROME COUNTY ALTIMETER SETTING MINIMUMS				
S-25	4340-1 608 (700-1)		4340-1¾ 608 (700-1¾)	4340-2 608 (700-2)
CIRCLING	4340-1 608 (700-1)		4340-1¾ 608 (700-1¾)	4340-2 608 (700-2)

NW-1, 14 JAN 2010 to 11 FEB 2010

WAAS CH 53709 W07A	APP CRS 068°	Rwy ldg 4745 TDZE 3710 Apt Elev 3732

RNAV (GPS) RWY 7
GOODING MUNI (GNG)

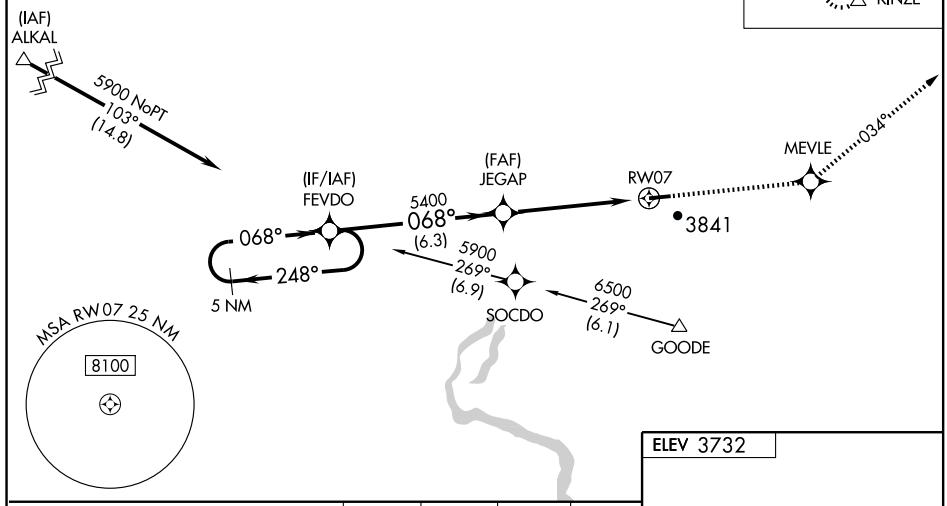
DME/DME RNP- 0.3 NA. Visibility reduction by helicopters NA.
Baro-VNAV NA when using Jerome County altimeter setting.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -22°C (-7°F) or above 41°C (105°F).
Obtain local altimeter setting on CTAF; when not received, use Jerome County altimeter setting and increase all DA 86 feet and all MDA 100 feet. Increase LPV visibility ¼ mile all Cats, LNAV/VNAV visibility ½ mile all Cats, LNAV visibility Cat C and D ¼ mile, and circling visibility Cat C ¼ mile.

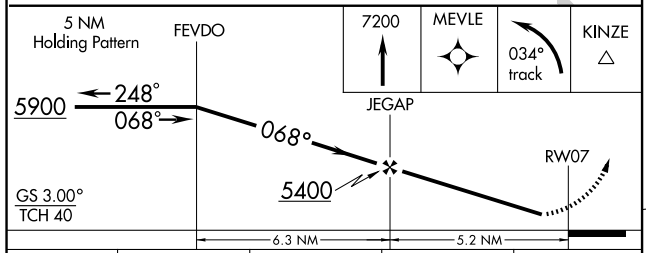
MISSED APPROACH: Climb to 7200 direct MEVLE and left turn via 034° track to KINZE and hold.

SALT LAKE CENTER	UNICOM
118.05 363.0	122.8 (CTAF) L★

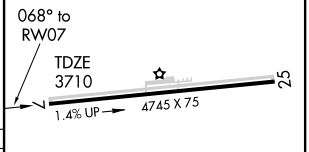
Procedure NA for arrivals at GOODE via V4 eastbound and V293 southeast bound.
Procedure NA for arrivals at ALKAL via V253 northwest bound.
Procedure NA for arrivals at ALKAL via V330 southwest bound.

MISSED APCH FIX
7 NM
351°
171°
KINZE





ELEV 3732



MIRL Rwy 7-25 L★

CATEGORY	A	B	C	D
LPV DA	3960-1 250 (300-1)			
LNAV/VNAV DA	4049-1¼ 339 (400-1¼)			
LNAV MDA	4120-1 410 (400-1)		4120-1¼ 410 (400-1¼)	
CIRCLING	4260-1 528 (600-1)		4260-1½ 528 (600-1½)	4300-2 568 (600-2)

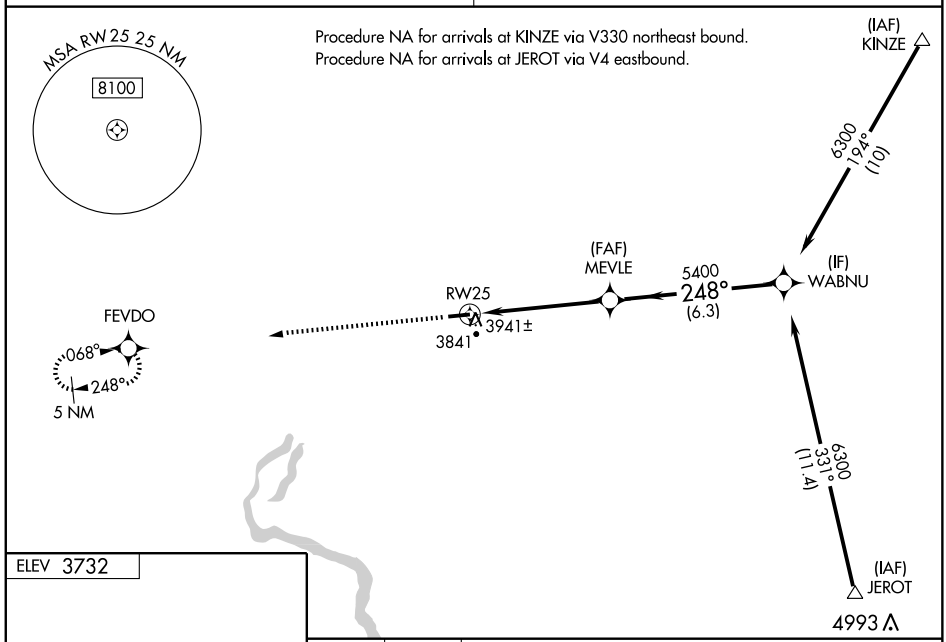
WAAS CH 45909 W25A	APP CRS 248°	Rwy ldg 4745 TDZE 3732 Apt Elev 3732

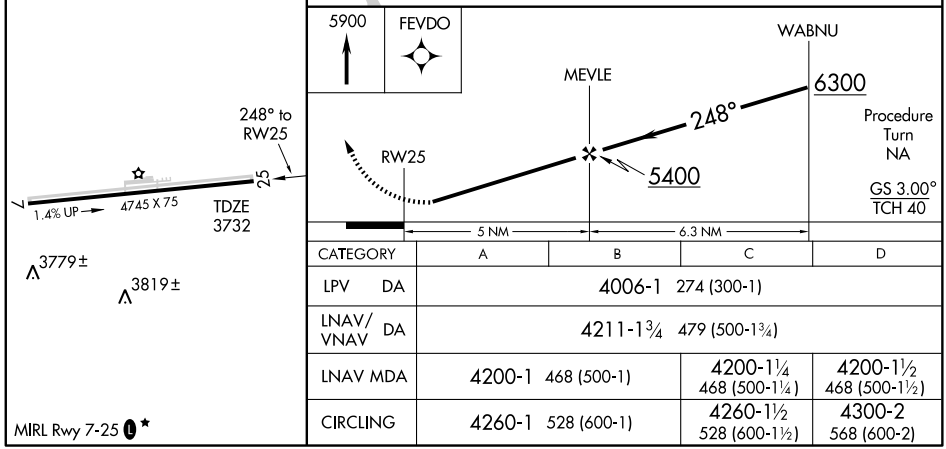
RNAV (GPS) RWY 25
GOODING MUNI (GNG)

DME/DME RNP- 0.3 NA. Visibility reduction by helicopters NA.
Baro-VNAV NA when using Jerome County altimeter setting.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -22°C (-7°F) or above 41°C (105°F).
Obtain local altimeter setting on CTAF; when not received, use Jerome County altimeter setting and increase all DA 86 feet and all MDA 100 feet. Increase LPV visibility ¼ mile all Cats, LNAV/VNAV visibility ¼ mile all Cats, LNAV visibility Cat C and D ¼ mile, and circling visibility Cat C ¼ mile.

MISSED APPROACH: Climb to 5900 direct FEVDO and hold.

SALT LAKE CENTER	UNICOM
118.05 363.0	122.8 (CTAF) L ★





CATEGORY	A	B	C	D
LPV DA	4006-1 274 (300-1)			
LNAV/VNAV DA	4211-1¾ 479 (500-1¾)			
LNAV MDA	4200-1 468 (500-1)		4200-1¼ 468 (500-1¼)	4200-1½ 468 (500-1½)
CIRCLING	4260-1 528 (600-1)		4260-1½ 528 (600-1½)	4300-2 568 (600-2)

NW-1, 14 JAN 2010 to 11 FEB 2010

MELLR ONE DEPARTURE (RNAV) (OBSTACLE)

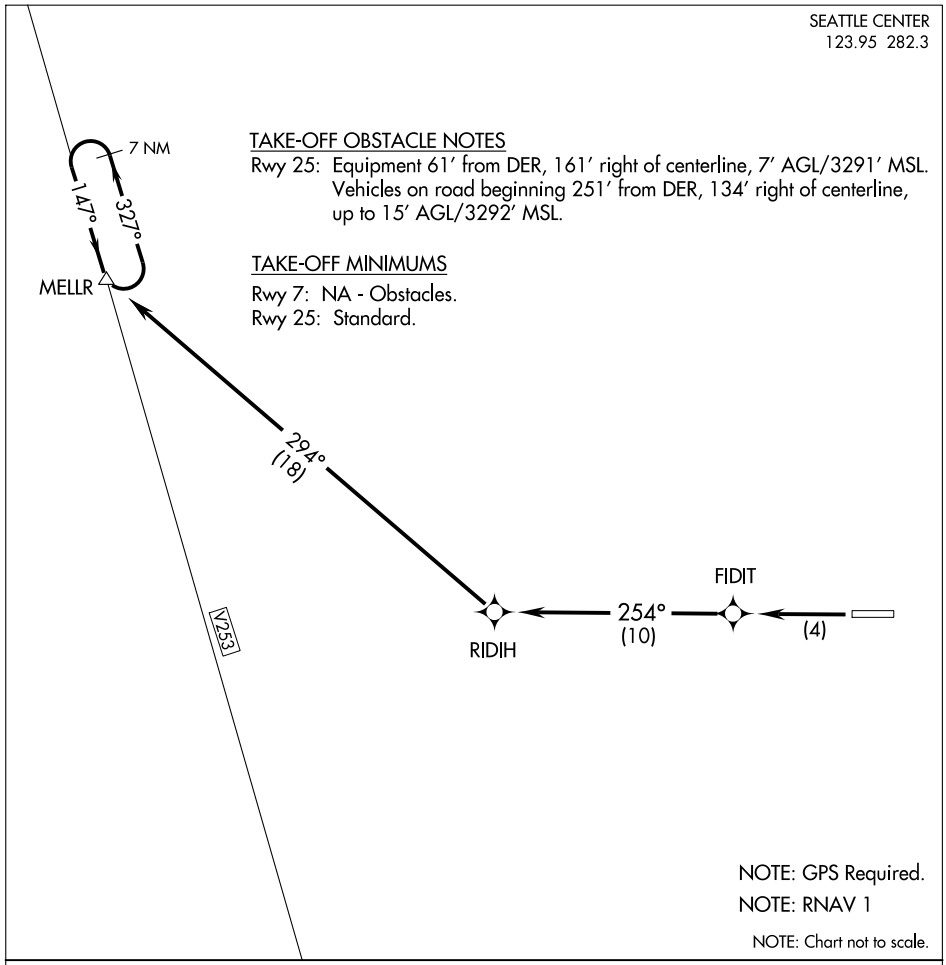
SEATTLE CENTER
123.95 282.3

TAKE-OFF OBSTACLE NOTES

Rwy 25: Equipment 61′ from DER, 161′ right of centerline, 7′ AGL/3291′ MSL. Vehicles on road beginning 251′ from DER, 134′ right of centerline, up to 15′ AGL/3292′ MSL.

TAKE-OFF MINIMUMS

Rwy 7: NA - Obstacles.
Rwy 25: Standard.



NOTE: GPS Required.
NOTE: RNAV 1
NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 25: Climb direct FIDIT then via depicted route to MELLR. Maintain 7400 or assigned altitude. Aircraft southeast bound on V253 continue climb in MELLR holding pattern to MEA before proceeding enroute.

APP CRS	Rwy ldg	5001
073°	TDZE	3302
	Apt Elev	3314

RNAV (GPS) RWY 7

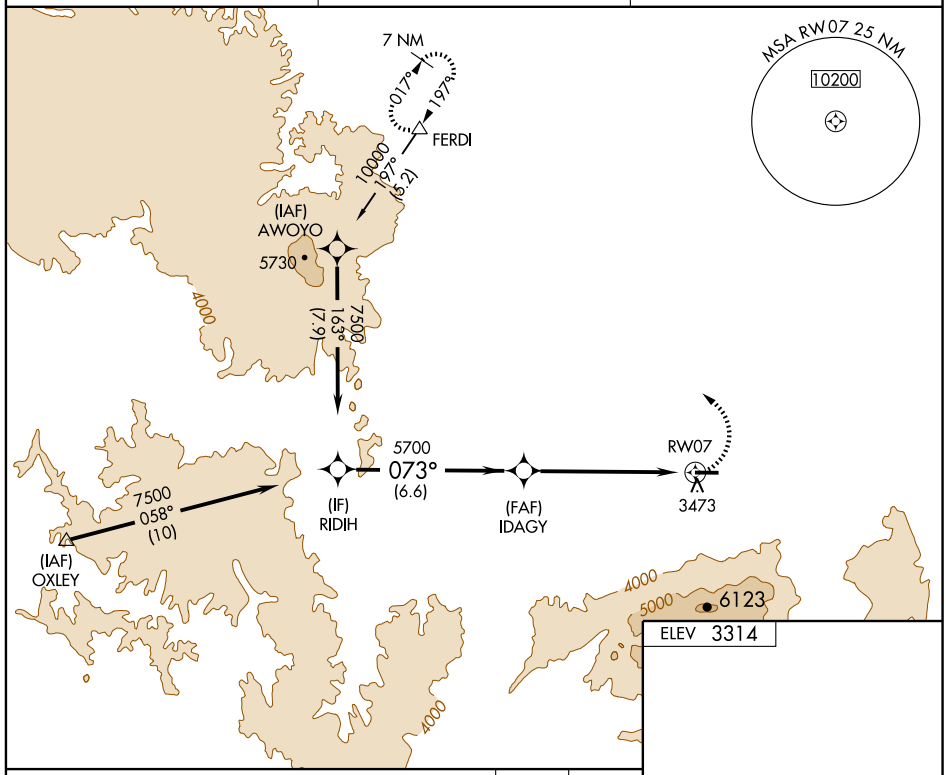
GRANGEVILLE/ IDAHO COUNTY (S80)

T
NA

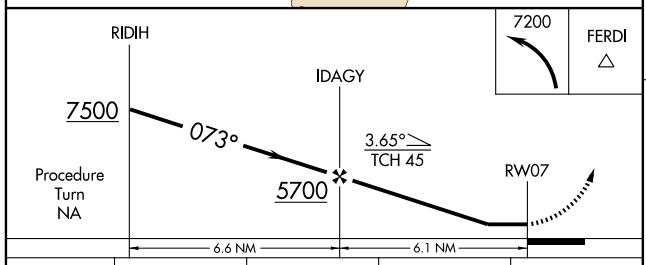
Circling NA south of Rwy 7-25.
DME/DME RNP-0.3 NA.
Visibility reduction by helicopters NA.
Use Lewiston-Nez Perce County altimeter setting; when not received, use Pullman/Moscow Rgnl altimeter setting and increase all MDA 40 feet.

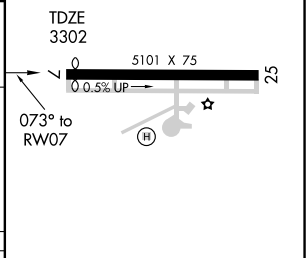
MISSED APPROACH: Climbing left turn to 7200 direct FERDI and hold.

LEWISTON-NEZ PERCE COUNTY ASOS	SEATTLE CENTER	CTAF
135.575	123.95 282.3	122.9 L



ELEV 3314





CATEGORY	A	B	C	D
LNAV MDA	4660-1¼ 1358 (1400-1¼)	4660-1½ 1358 (1400-1½)	4660-3 1358 (1400-3)	NA
CIRCLING	4660-1¼ 1346 (1400-1¼)	4660-1½ 1346 (1400-1½)	4660-3 1346 (1400-3)	NA

MIRL Rwy 7-25
REIL Rwy 7 L

APP CRS	Rwy ldg	5101
239°	TDZE	3314
	Apt Elev	3314

RNAV (GPS) RWY 25

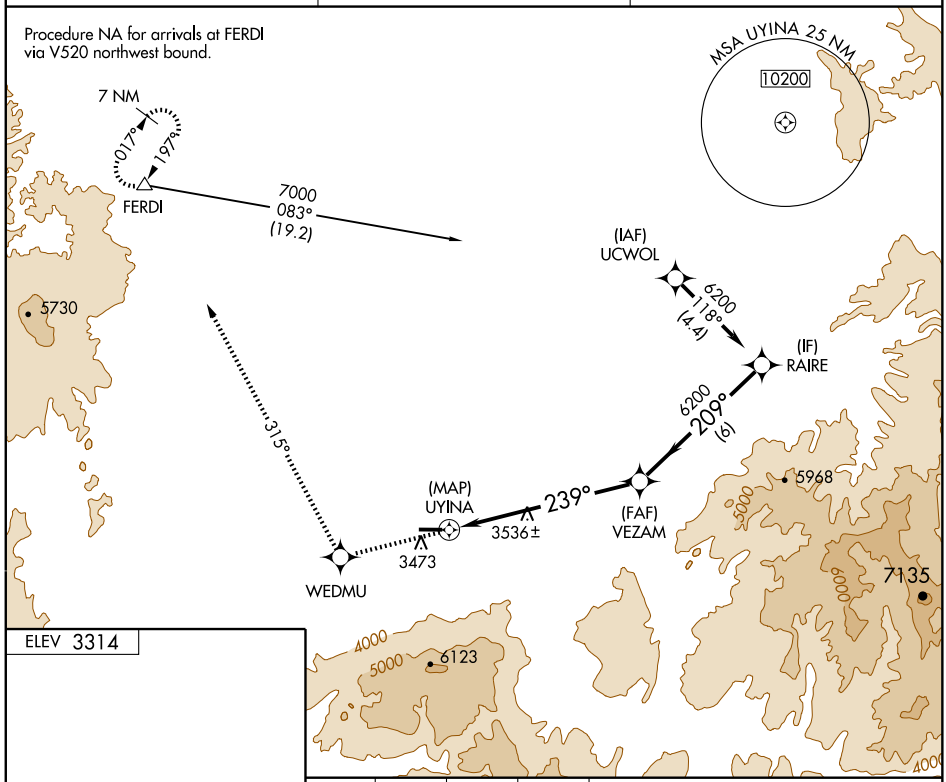
GRANGEVILLE/ IDAHO COUNTY (S80)

T
NA

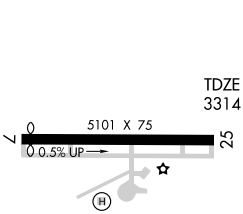
Circling NA south of Rwy 7-25.
DME/DME RNP-0.3 NA.
Use Lewiston-Nez Perce County altimeter setting; when not received, use Pullman/Moscow Rgnl altimeter setting and increase all MDA 40 feet.

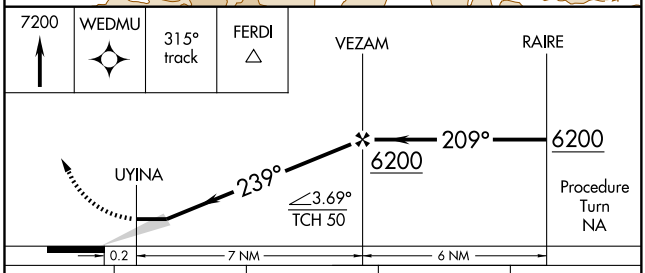
MISSED APPROACH: Climb to 7200 direct WEDMU and via 315° track to FERDI and hold, continue climb-in-hold to 7200.

LEWISTON-NEZ PERCE COUNTY ASOS	SEATTLE CENTER	CTAF
135.575	123.95 282.3	122.9 L



ELEV 3314





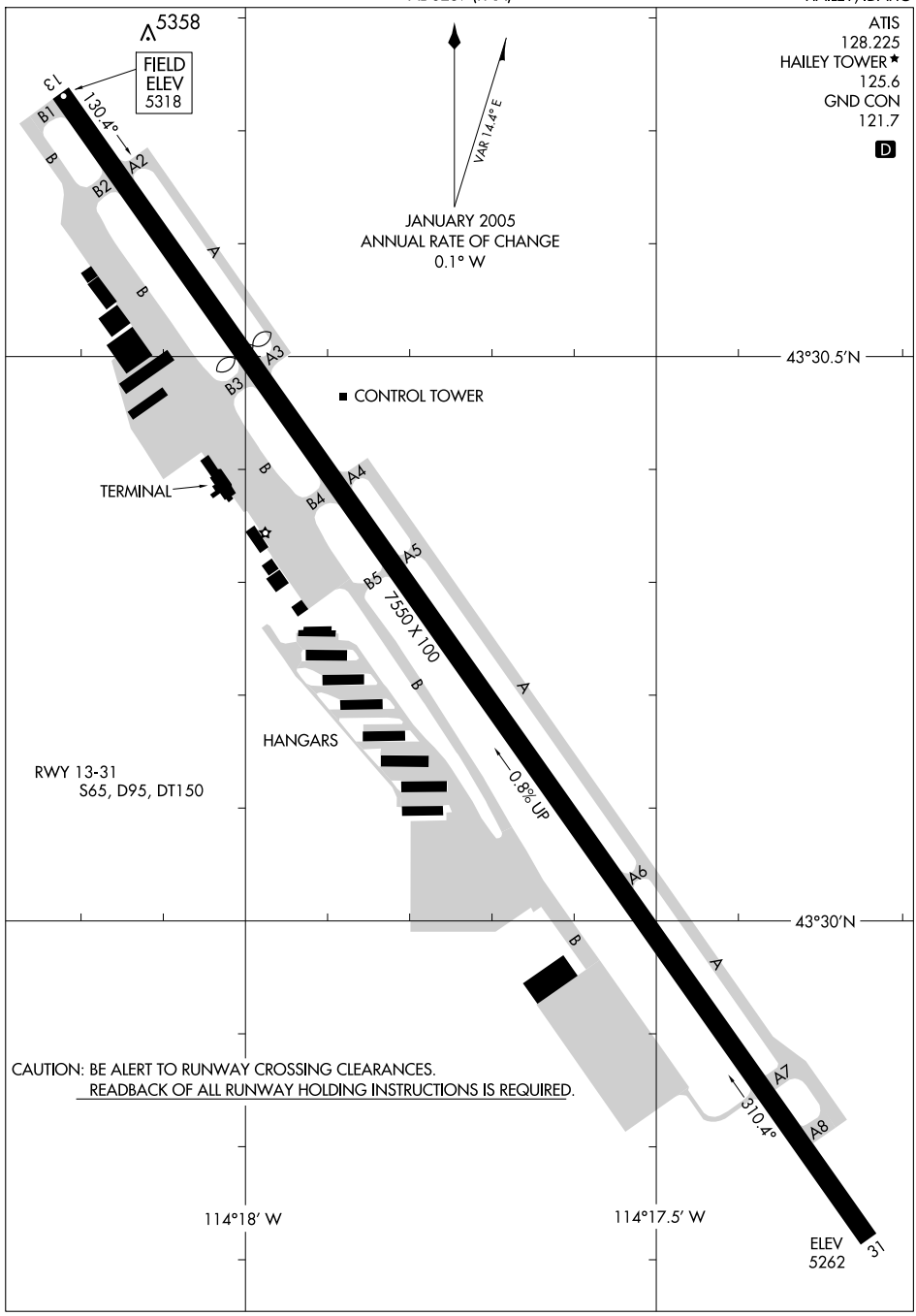
CATEGORY	A	B	C	D
LNAV MDA	4720-1¼ 1406 (1500-1¼)	4720-1½ 1406 (1500-1½)	4720-3 1406 (1500-3)	NA
CIRCLING	4720-1¼ 1406 (1500-1¼)	4720-1½ 1406 (1500-1½)	4720-3 1406 (1500-3)	NA

MIRL Rwy 7-25
REIL Rwy 7 L

AIRPORT DIAGRAM

AL-6239 (FAA)

HAILEY/ FRIEDMAN MEMORIAL (SUN)
HAILEY, IDAHO



RWY 13-31
S65, D95, DT150

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

AURELIA TWO DEPARTURE (RNAV)

HAILEY/ FRIEDMAN MEMORIAL (SUN)
HAILEY, IDAHO

GND CON
121.7
HAILEY TOWER ★
125.6
SALT LAKE CENTER
118.05 353.0
UNICOM 122.95

TAKE-OFF OBSTACLE NOTES

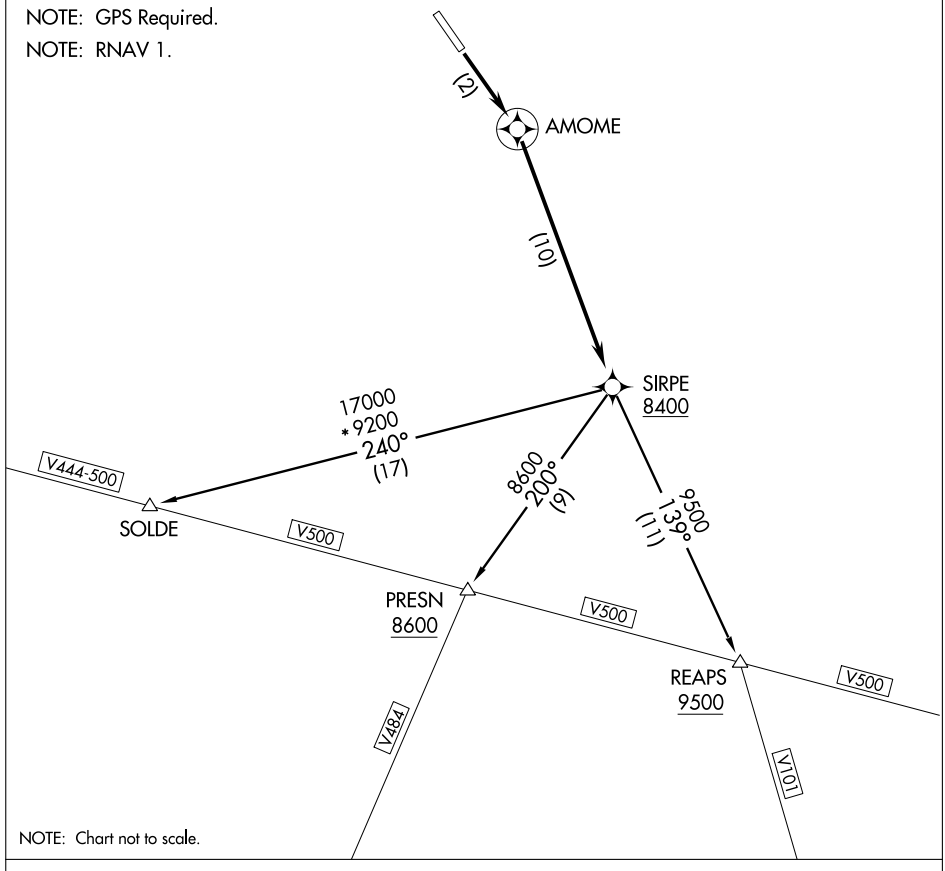
Rwy 13: Multiple trees beginning 763′ from DER, 3′ right of centerline, up to 100′ AGL/5345′ MSL.

TAKE-OFF MINIMUMS

Rwy 13: Standard with minimum climb of 400′ per NM to 6700.
ATC climb of 400′ per NM to 7300.
Rwy 31: NA, Obstacles.

NOTE: GPS Required.

NOTE: RNAV 1.



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 13: Climb direct AMOME, then climbing right turn direct SIRPE to cross SIRPE; cross SIRPE at or above 8400, Thence....via (Transition).

PRESN TRANSITION (AUREL2.PRESN)

REAPS TRANSITION (AUREL2.REAPS)

SOLDE TRANSITION (AUREL2.SOLDE)

NDB/DME HLE 220 DME Chan 25	APP CRS 330°	Rwy ldg N/A TDZE N/A Apt Elev 5313

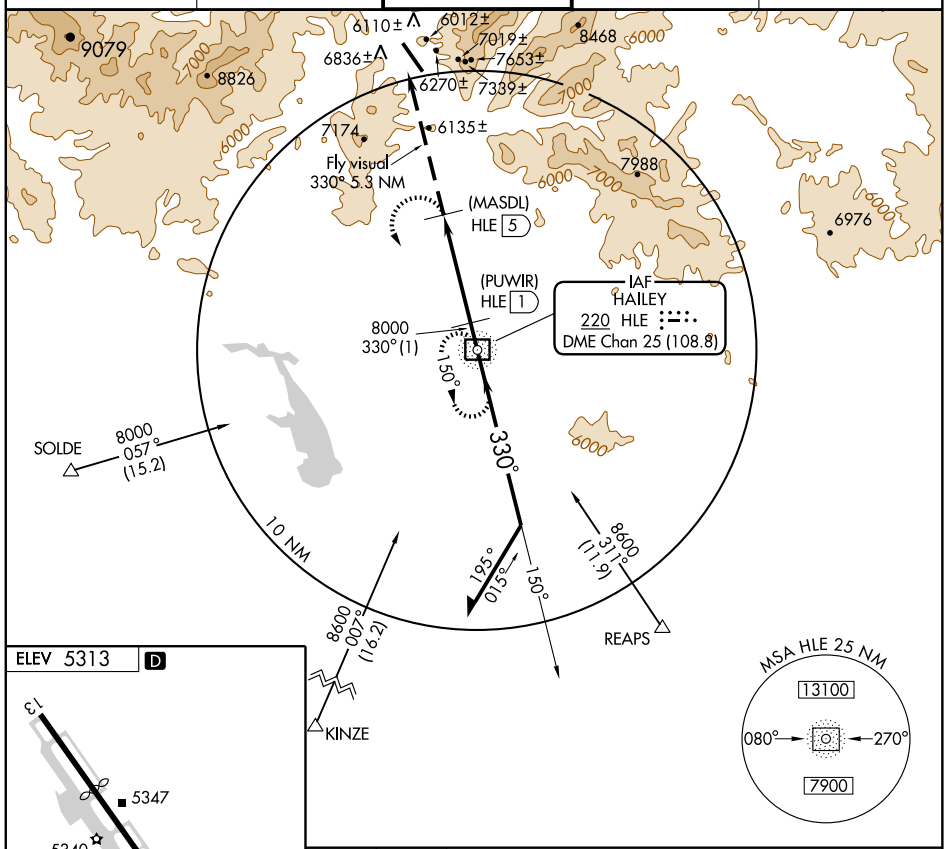
NDB/DME or GPS-A

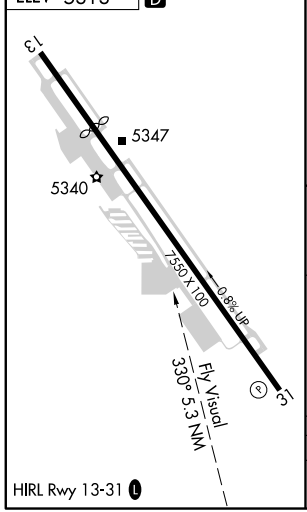
HAILEY/FRIEDMAN MEMORIAL (SUN)

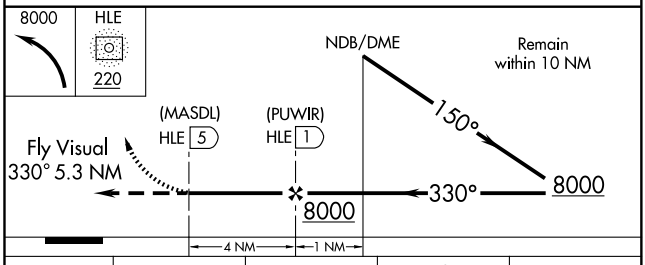
T NA Occasional ADF needle swings away from the final approach course are to be expected north of missed approach point. When control tower closed, procedure not authorized. Procedure not authorized at night.

MISSED APPROACH: Left turn to 8000 direct HLE NDB/DME and hold.

ATIS	SALT LAKE CENTER	HAILEY TOWER ★	GND CON	UNICOM
128.225	118.05 353.0	125.6 (CTAF) L	121.7	122.95







CATEGORY	A	B	C	D
CIRCLING	8000-5 2687 (2700-5)			NA

NW-1. 14 JAN 2010 to 11 FEB 2010

HAILEY, IDAHO

AL-6239 (FAA)

APP CRS	Rwy ldg	6631
323°	TDZE	5290
	Apt Elev	5318

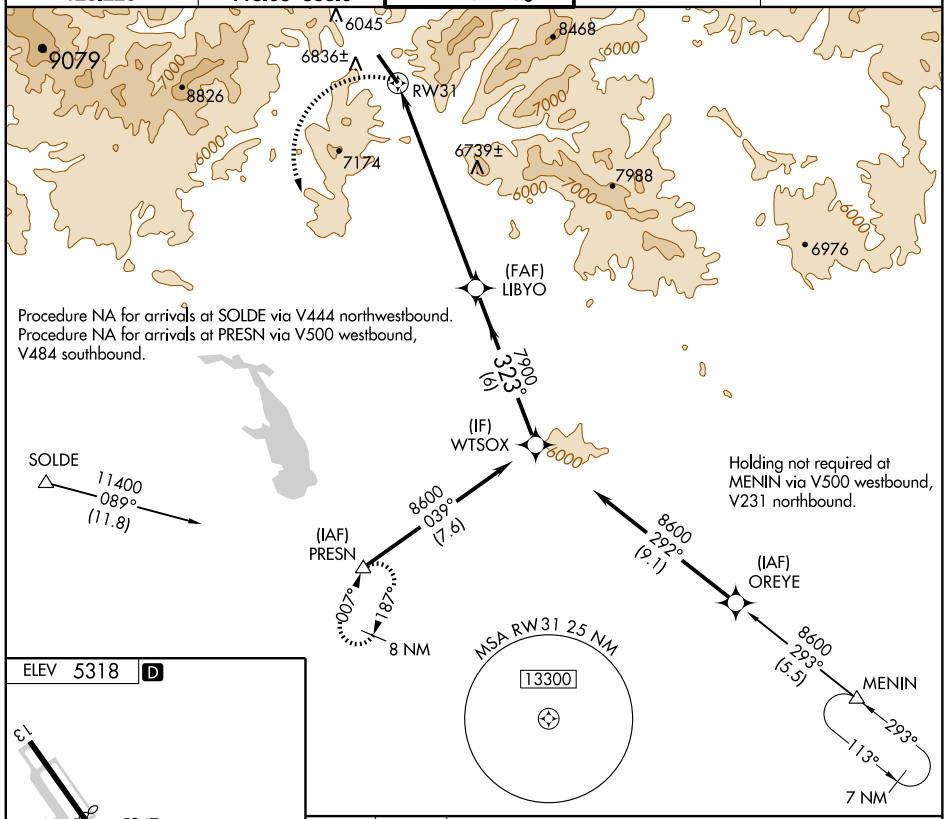
RNAV (GPS) W RWY 31

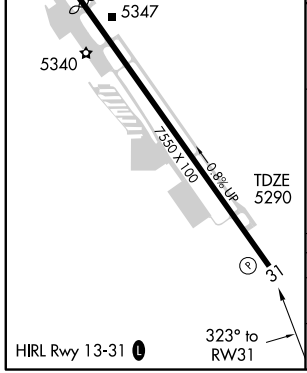
HAILEY/FRIEDMAN MEMORIAL (SUN)

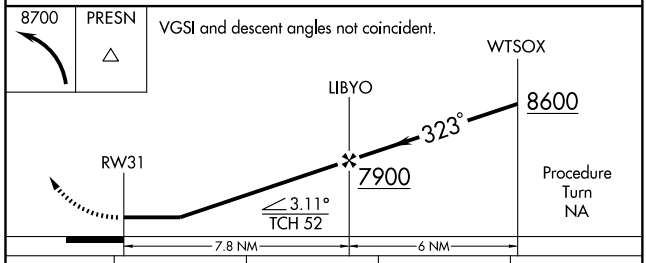
Circling NA at night.
Circling NA east of Rwy 13-31.
DME/DME RNP-0.3 NA.
Visibility reduction by helicopters NA.

MISSED APPROACH: Climbing left turn to 8700 direct PRESN and hold.

ATIS	SALT LAKE CENTER	HAILEY TOWER ★	GND CON	UNICOM
128.225	118.05 353.0	125.6 (CTAF) L	121.7	122.95







CATEGORY	A	B	C	D
LNAV MDA	7080-1¼ 1790 (1800-1¼)	7080-1½ 1790 (1800-1½)	7080-3 1790 (1800-3)	NA
CIRCLING	7180-1¼ 1862 (1900-1¼)	7180-1½ 1862 (1900-1½)	7180-3 1862 (1900-3)	NA

NW-1, 14 JAN 2010 to 11 FEB 2010

HAILEY, IDAHO

AL-6239 (FAA)

APP CRS	Rwy ldg	6631
314°	TDZE	5290
	Apt Elev	5318

RNAV (RNP) Y RWY 31

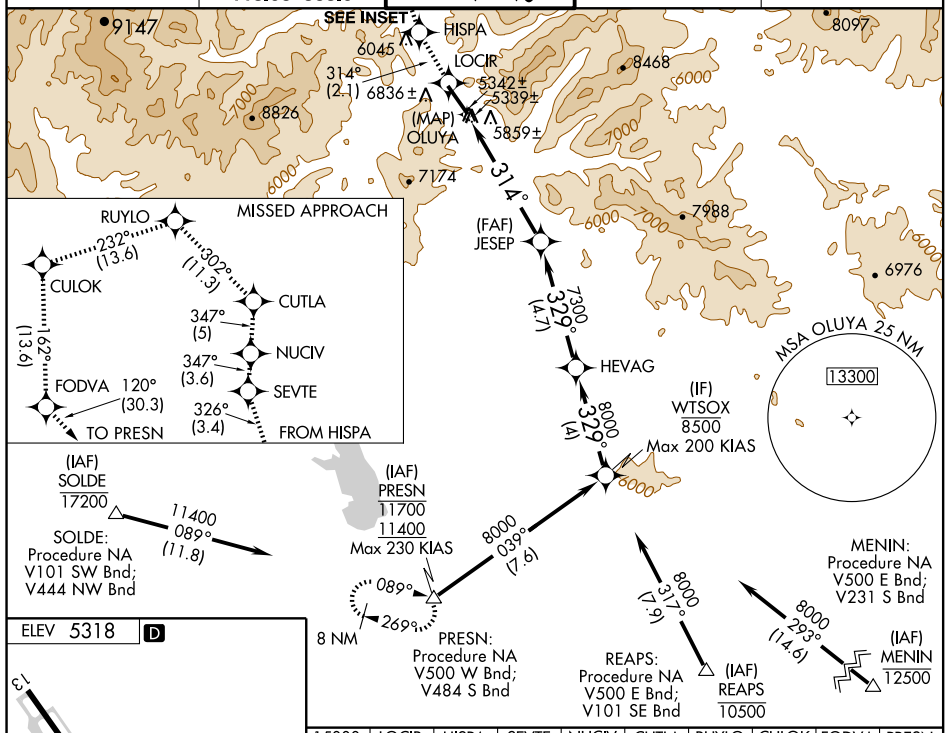
HAILEY/FRIEDMAN MEMORIAL (SUN)

T NA

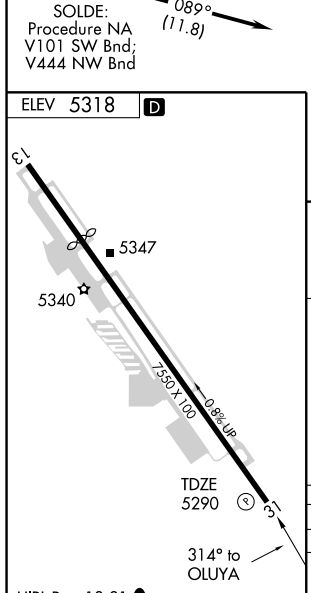
GPS required. When VGSI inoperative, procedure NA at night.
For uncompensated Baro-VNAV systems, procedure NA below -25°C (-14°F) or above 37°C (99°F).
Missed approach requires RNP less than 1.0 and minimum climb of 330 feet per NM to 14500. Visibility reduction by helicopters NA.
Final approach course offset 5.00°.

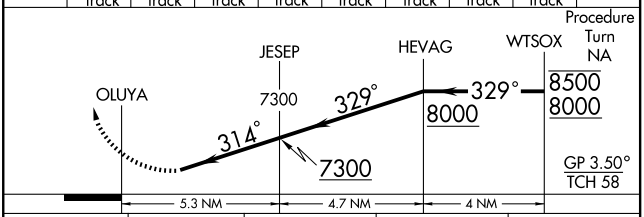
MISSED APPROACH: Climb to 15000 via 314° track to LOCIR, 314° track to HISPA, 326° track to SEVTE, 347° track to NUCIV, 347° track to CUTLA, 302° track to RUYLO, 232° track to CULOK, 162° track to FODVA, 120° track to PRESN and hold.

ATIS	SALT LAKE CENTER	HAILEY TOWER★	GND CON	UNICOM
128.225	118.05 353.0	125.6 (CTAF) L	121.7	122.95



15000	LOCIR	HISPA	SEVTE	NUCIV	CUTLA	RUYLO	CULOK	FODVA	PRESN
	314° track	314° track	326° track	347° track	347° track	302° track	232° track	162° track	120° track





CATEGORY	A	B	C	D
RNP 0.30 DA	6264-3 974 (1000-3)			NA

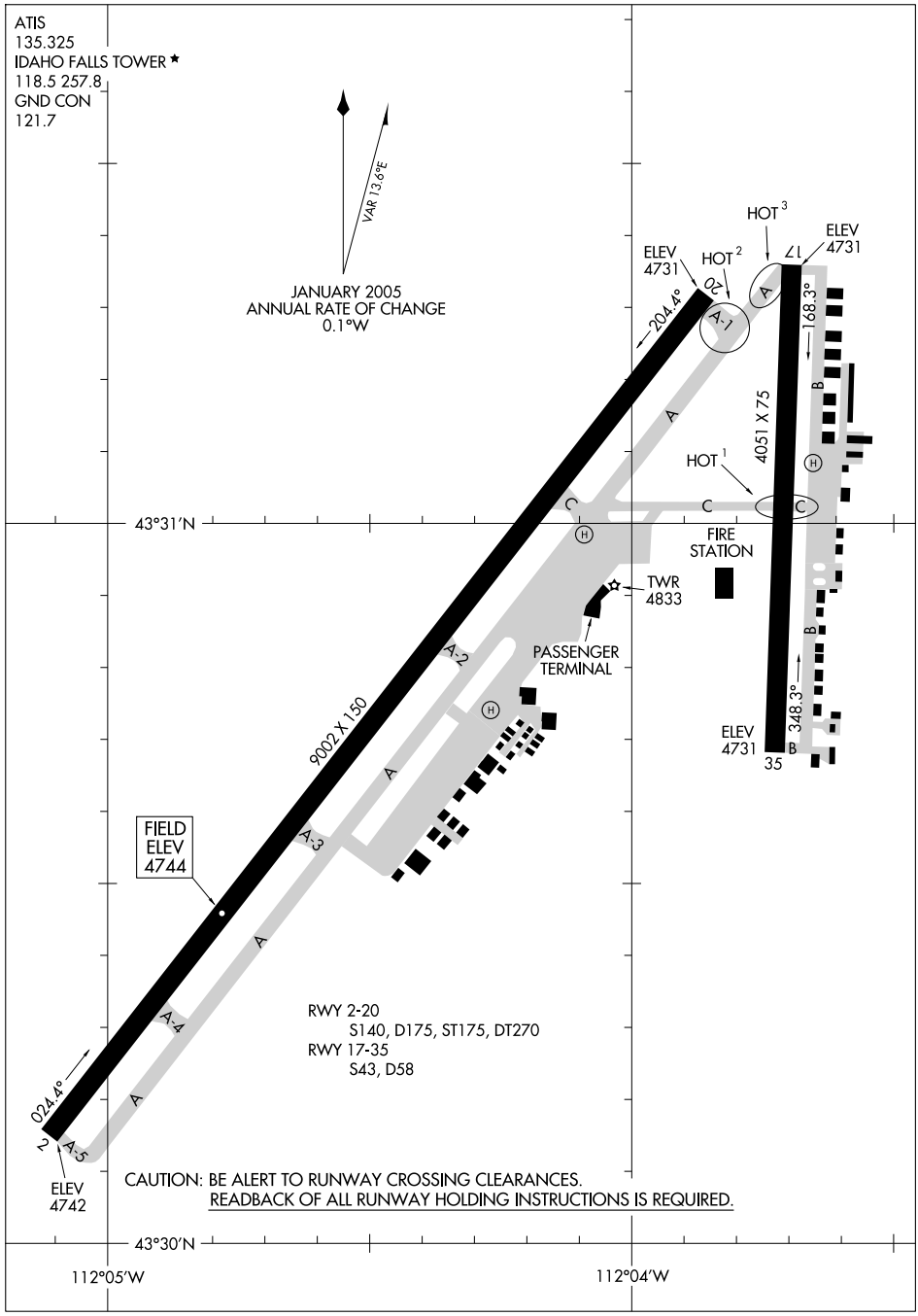
SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

NW-1. 14 JAN 2010 to 11 FEB 2010

AIRPORT DIAGRAM

AL-590 (FAA)

IDAHO FALLS RGNL (IDA)
IDAHO FALLS, IDAHO



LOC/DME I-IDA	APP CRS	Rwy ldg	9002
111.1	203°	TDZE	4735
Chan 48		Apt Elev	4744

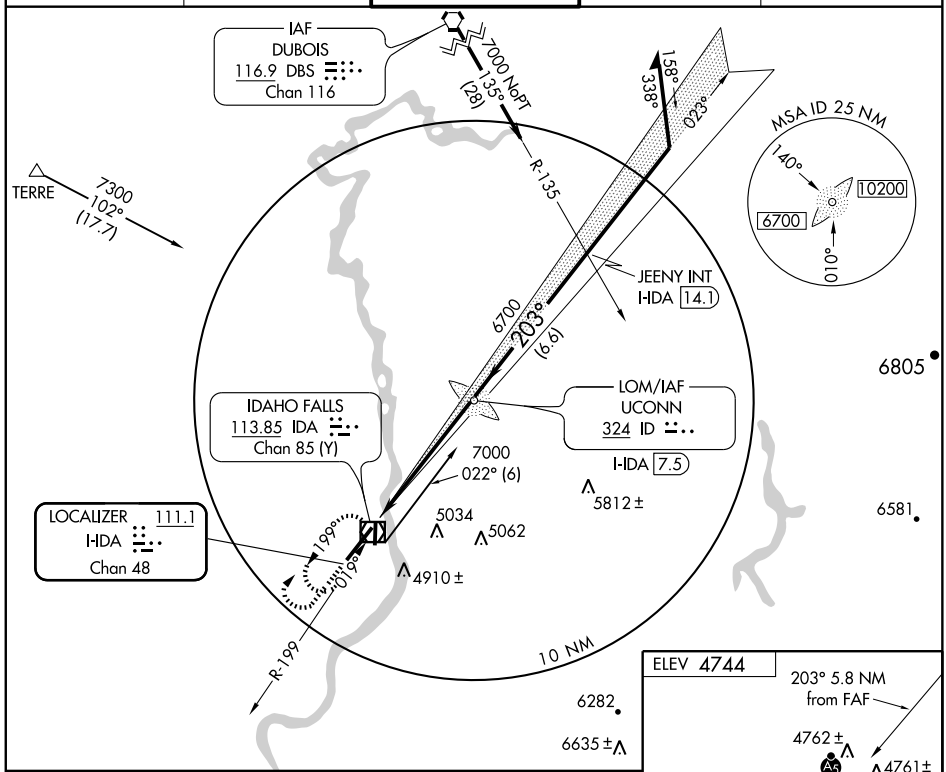
ILS or LOC RWY 20
IDAHO FALLS RGNL (IDA)

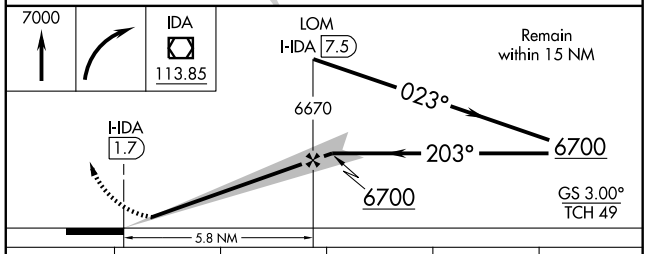
T A *Visibility CAT A/B/C/D, RVR 1800 authorized with the use of FD or AP or HUD to DA.

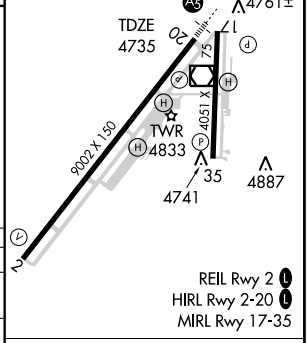
MALSR A5

MISSED APPROACH: Climb to 7000, then right turn direct IDA VOR/DME and hold.

ATIS	SALT LAKE CENTER	IDAHO FALLS TOWER*	GND CON	UNICOM
135.325	128.35 239.25	118.5 (CTAF) L 257.8	121.7	122.95







CATEGORY	A	B	C	D	E
S-ILS 20	*4935/24 200 (200-½)				
S-LOC 20	5140/24 405 (400-½)		5140/40 405 (400-¾)		5140/50 405 (400-1)
CIRCLING	5200-1 456 (500-1)	5220-1 476 (500-1)	5260-1½ 516 (600-1½)	5340-2 596 (600-2)	5420-2½ 676 (700-2½)

FAF to MAP 5.8 NM

Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

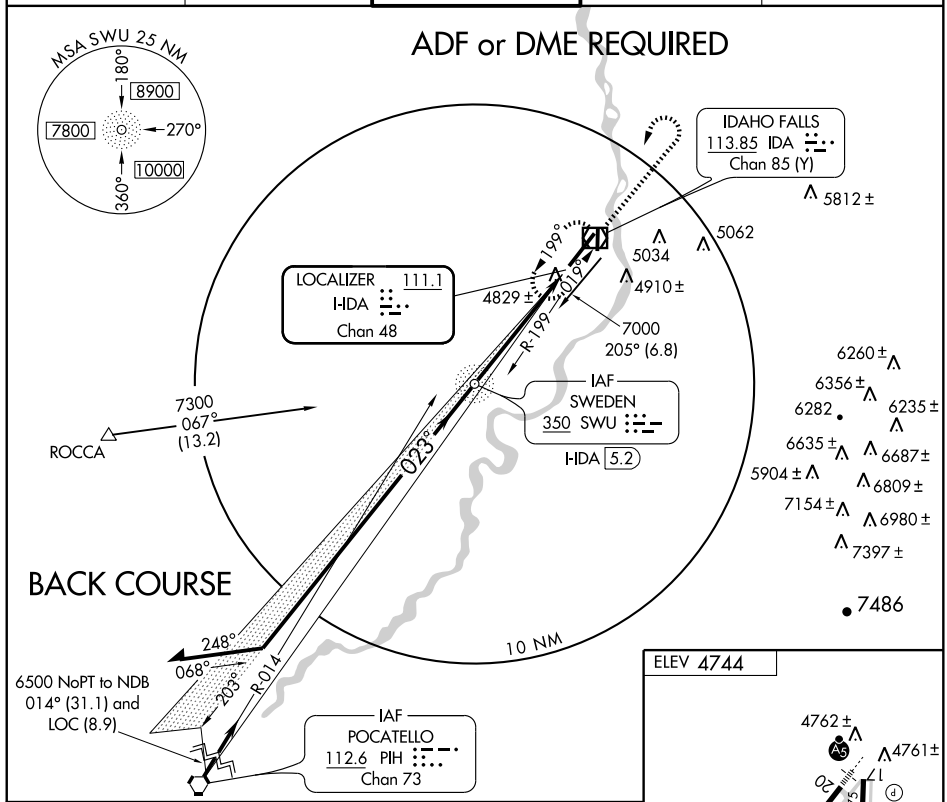
NW-1, 14 JAN 2010 to 11 FEB 2010

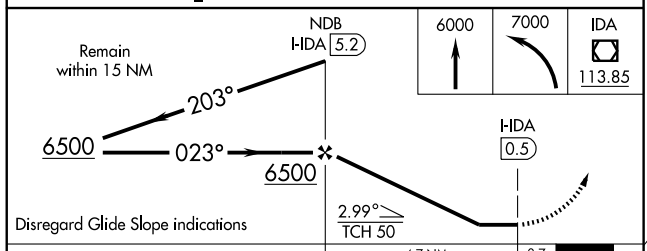
LOC/DME I-IDA 111.1 Chan 48	APP CRS 023°	Rwy ldg 9002 TDZE 4744 Apt Elev 4744

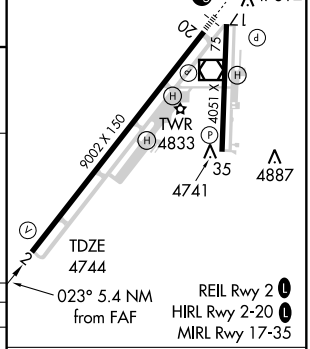
LOC BC RWY 2
IDAHO FALLS RGNL (IDA)

MISSED APPROACH: Climb to 6000 then climbing left turn to 7000 direct IDA VOR/DME and hold.

ATIS	SALT LAKE CENTER	IDAHO FALLS TOWER★	GND CON	UNICOM
135.325	128.35 239.25	118.5 (CTAF) L 257.8	121.7	122.95







CATEGORY	A	B	C	D	E
S-LOC 2	5080-1 336 (400-1)				5080-1¼ 336 (400-1¼)
CIRCLING	5200-1 456 (500-1)	5220-1 476 (500-1)	5260-1½ 516 (600-1½)	5340-2 596 (600-2)	5420-2½ 676 (700-2½)

FAF to MAP 4.7 NM

Knots	60	90	120	150	180
Min:Sec	4:42	3:08	2:21	1:53	1:34

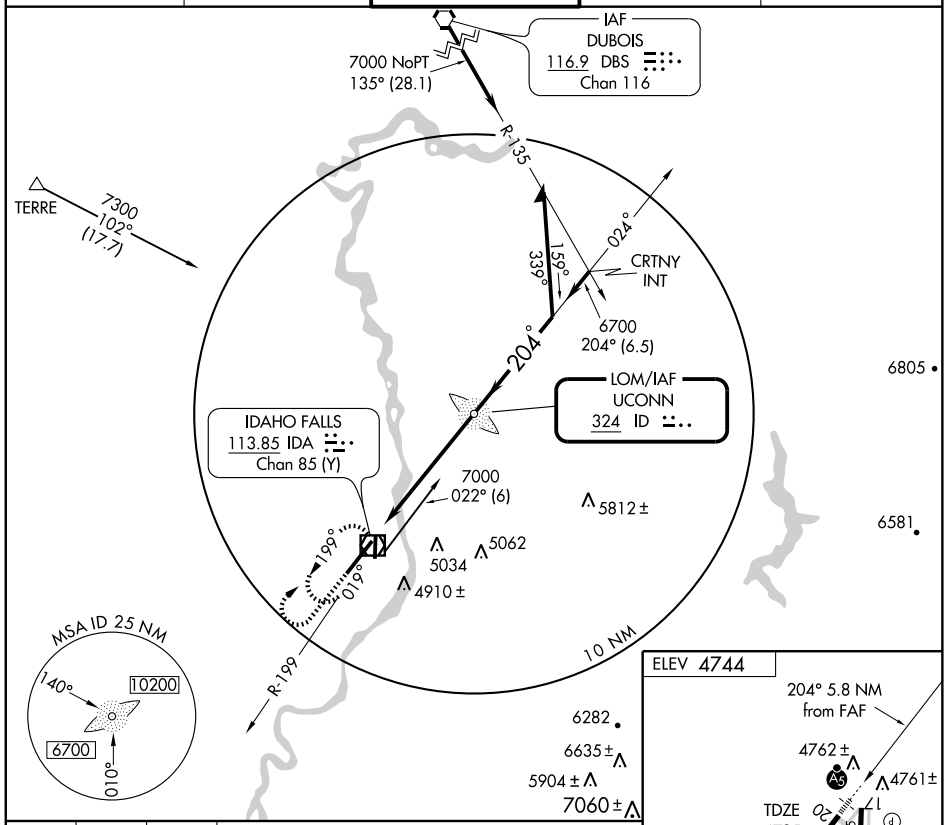
LOM ID	APP CRS	Rwy ldg	9002
324	204°	TDZE	4735
		Apt Elev	4744

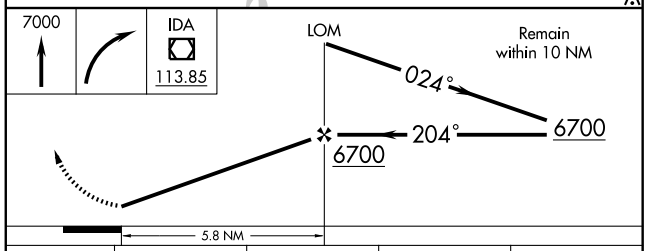
NDB RWY 20
IDAHO FALLS RGNL (IDA)

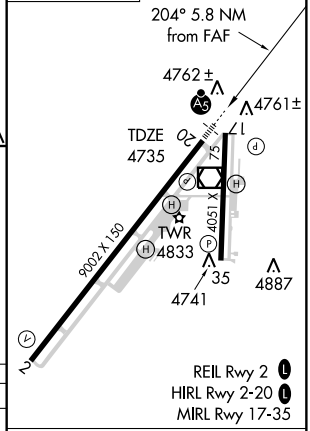
MALSR

MISSED APPROACH: Climb to 7000 then right turn direct IDA VOR/DME and hold.

ATIS	SALT LAKE CENTER	IDAHO FALLS TOWER ★	GND CON	UNICOM
135.325	128.35 239.25	118.5 (CTAF) L 257.8	121.7	122.95







CATEGORY	A	B	C	D
S-20	5220/40 485 (500-¾)			5220/60 485 (500-1¼)
CIRCLING	5220-1 476 (500-1)		5260-1½ 516 (600-1½)	5340-2 596 (600-2)

FAF to MAP 5.8 NM

Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

NW-1, 14 JAN 2010 to 11 FEB 2010

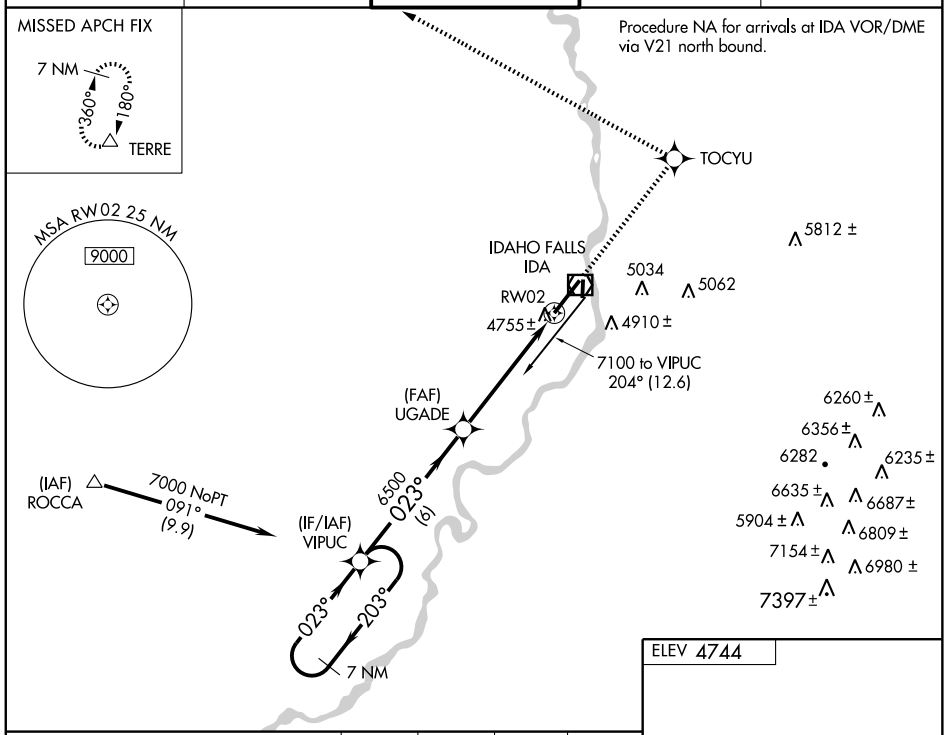
WAAS CH 97501 W02A	APP CRS 023°	Rwy ldg 9002 TDZE 4744 Apt Elev 4744

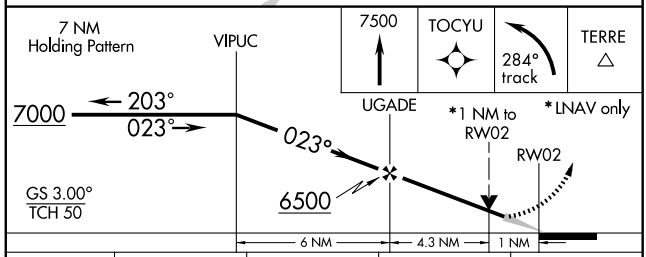
RNAV (GPS) RWY 2
IDAHO FALLS RGNL (IDA)

DME/DME RNP-0.3 NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -24°C (-11°F) or above 39°C (103°F).
When VGSI inoperative, circling Rwy 35 NA at night.

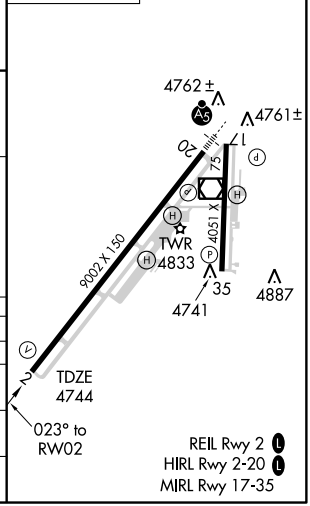
MISSED APPROACH: Climb to 7500 direct TOCYU and left turn via 284° track to TERRE and hold.

ATIS	SALT LAKE CENTER	IDAHO FALLS TOWER★	GND CON	UNICOM
135.325	128.35 239.25	118.5 (CTAF) L 257.8	121.7	122.95





CATEGORY	A	B	C	D
LPV DA	4994-¾ 250 (300-¾)			
LNAV/VNAV DA	5135-1¼ 391 (400-1¼)			
LNAV MDA	5100-1 356 (400-1)			5100-1¼ 356 (400-1¼)
CIRCLING	5200-1 456 (500-1)	5220-1 476 (500-1)	5260-1½ 516 (600-1½)	5340-2 596 (600-2)



NW-1, 14 JAN 2010 to 11 FEB 2010

WAAS CH 40111 W20A	APP CRS 203°	Rwy ldg 9002 TDZE 4735 Apt Elev 4744

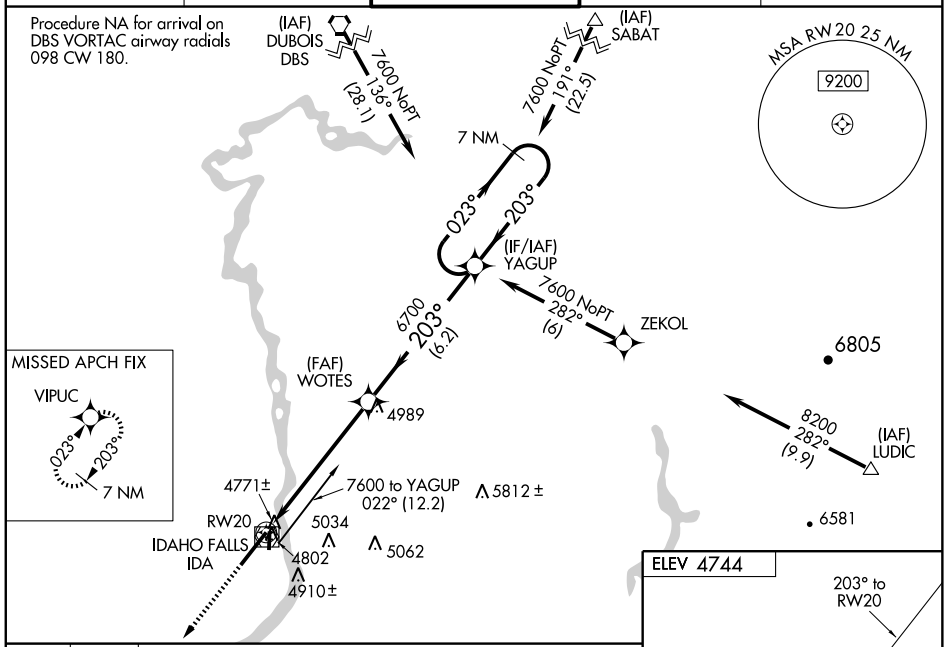
RNAV (GPS) RWY 20
IDAHO FALLS RGNL (IDA)

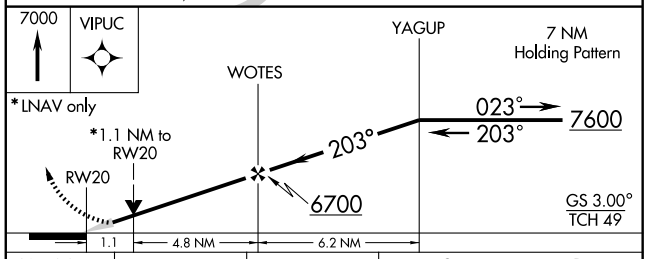
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -24°C (-11°F) or above 39°C (102°F). DME/DME RNP-0.3 NA.
VDP and Baro-VNAV NA when using Rexburg-Madison County altimeter setting. When local altimeter setting not received, use Rexburg-Madison County altimeter setting and increase all DA 68 feet and all MDA 80 feet and increase LNAV/VNAV visibility all Cats ¼ mile. When VGSI inoperative, circling Rwy 35 NA at night.
For inoperative MALSR increase visibility LNAV Cat D to 1¼ mile.
For inoperative MALSR when using Rexburg-Madison County altimeter setting increase LPV visibility all Cats to 1 mile.

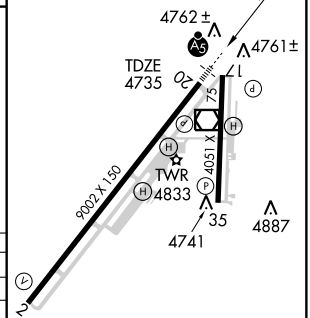
MALSR

MISSED APPROACH: Climb to 7000 direct VIPUC and hold.

ATIS	SALT LAKE CENTER	IDAHO FALLS TOWER★	GND CON	UNICOM
135.325	128.35 239.25	118.5 (CTAF) L 257.8	121.7	122.95







REIL Rwy 2 L
HIRL Rwy 2-20 L
MIRL Rwy 17-35

CATEGORY	A	B	C	D
LPV DA	4985/24 250 (300-½)			
LNAV/VNAV DA	5092/40 357 (400-¾)			
LNAV MDA	5140/24 405 (400-½)		5140/40 405 (400-¾)	5140/50 405 (400-1)
CIRCLING	5200-1 456 (500-1)	5220-1 476 (500-1)	5260-1½ 516 (600-1½)	5340-2 596 (600-2)

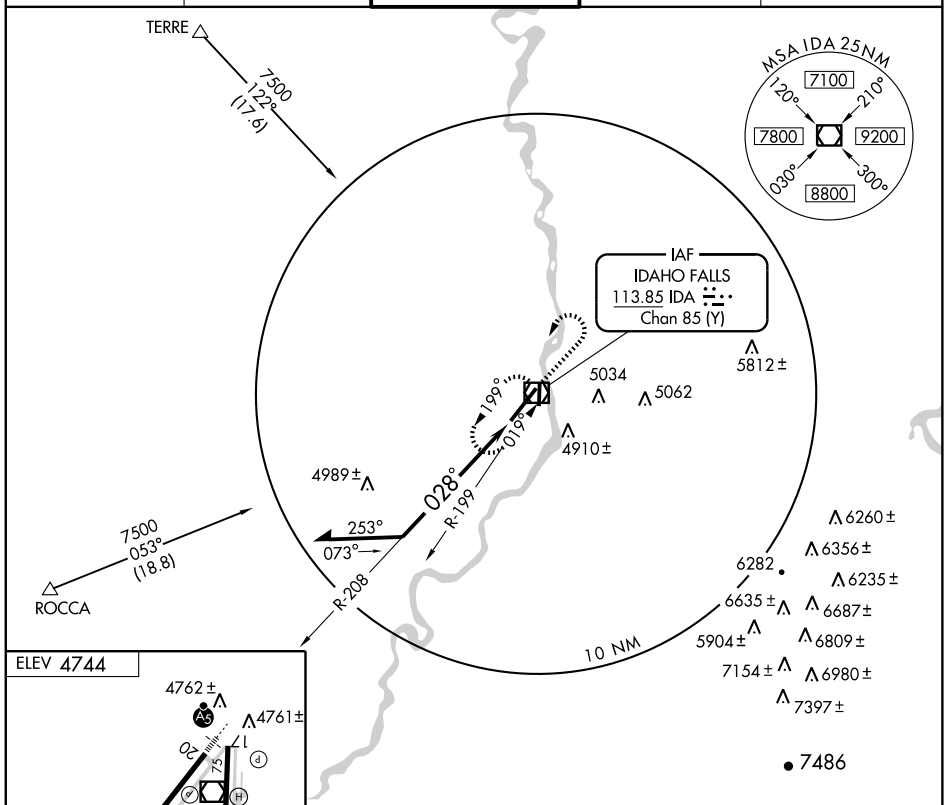
NW-1, 14 JAN 2010 to 11 FEB 2010

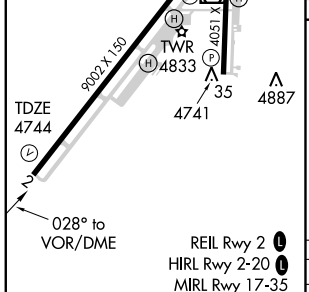
VOR/DME IDA 113.85 Chan 85 (Y)	APP CRS 028°	Rwy ldg 9002 TDZE 4744 Apt Elev 4744

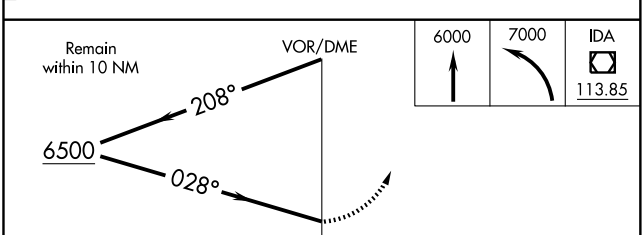
VOR RWY 2
IDAHO FALLS RGNL (IDA)

MISSED APPROACH: Climb to 6000 then climbing left turn to 7000 direct IDA VOR/DME and hold.

ATIS	SALT LAKE CENTER	IDAHO FALLS TOWER ★	GND CON	UNICOM
135.325	128.35 239.25	118.5 (CTAF) L 257.8	121.7	122.95







Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
S-2	5300-1 556 (600-1)		5300-1½ 556 (600-1½)	5300-1¾ 556 (600-1¾)
CIRCLING	5300-1 556 (600-1)		5300-1½ 556 (600-1½)	5340-2 596 (600-2)

VOR/DME IDA 113.85 Chan 85 (Y)	APP CRS 192°	Rwy ldg 9002 TDZE 4735 Apt Elev 4744

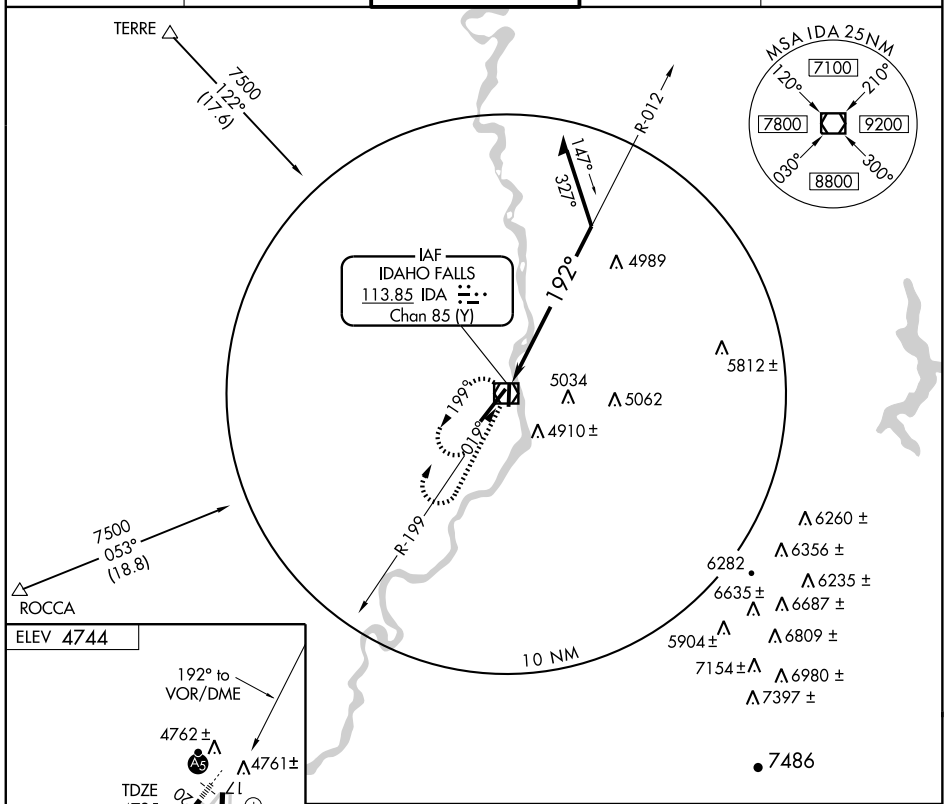
VOR RWY 20
IDAHO FALLS RGNL (IDA)

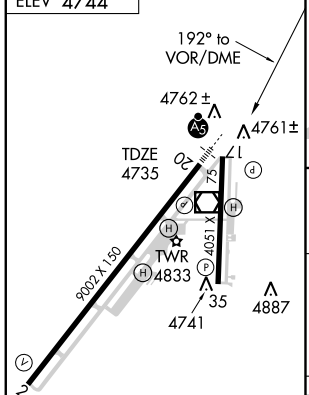
When local altimeter setting not received, use Rexburg-Madison County altimeter setting and increase all MDA 80 feet and increase all Cat B visibilities ¼ mile and increase all Cat C and D visibilities ½ mile.
When VGSI inoperative, circling Rwy 35 NA at night.
VDP NA when using Rexburg-Madison County altimeter setting.

MALSR

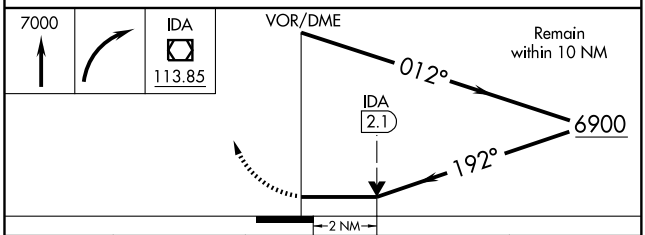
MISSED APPROACH: Climb to 7000 then right turn direct IDA VOR/DME and hold.

ATIS	SALT LAKE CENTER	IDAHO FALLS TOWER ★	GND CON	UNICOM
135.325	128.35 239.25	118.5 (CTAF) L 257.8	121.7	122.95





REIL Rwy 2 L
HIRL Rwy 2-20 L
MIRL Rwy 17-35



CATEGORY	A	B	C	D
S-20	5400/24 665 (700-½)		5400/60 665 (700-1¼)	5400-1½ 665 (700-1½)
CIRCLING	5400-1 656 (700-1)		5400-1¾ 656 (700-1¾)	5400-2 656 (700-2)

NW-1, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	5001
086°	TDZE	4019
	Apt Elev	4053

RNAV (GPS) RWY 9

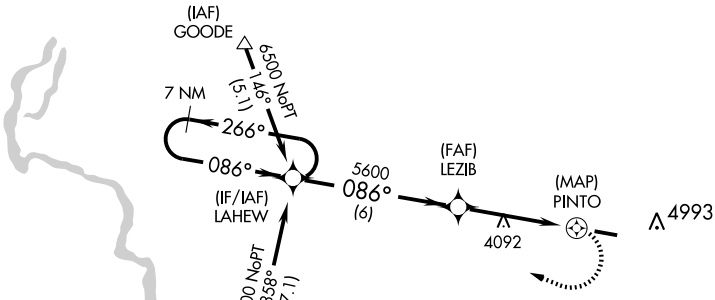
JEROME COUNTY (JER)

Circling NA north of Rwy 9-27. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Twin Falls altimeter setting and increase all MDA 60 feet, and increase LNAV Cat. D visibility ¼ mile.

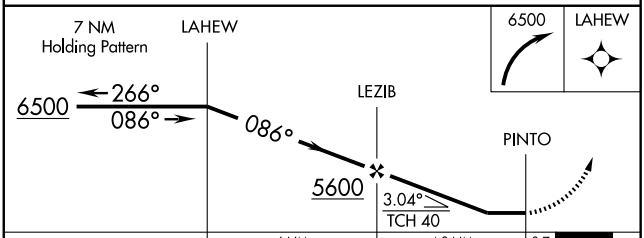
MISSED APPROACH: Climbing right turn to 6500 direct LAHEW and hold.

ASOS	TWIN FALLS APP CON ★	SALT LAKE CENTER	UNICOM
135.225	126.7 353.75	118.05 363.0	122.8 (CTAF) L

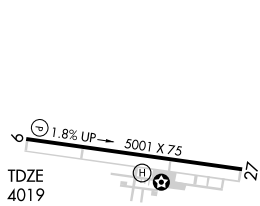
Procedure NA for arrivals at GOODE via V4 northwest bound and V293 northwest bound.



Procedure NA for arrivals at SECAR via V253 southeast bound.



ELEV 4053



CATEGORY	A	B	C	D
LNAV MDA	4420-1 401 (400-1)		4420-1¼ 401 (400-1¼)	
CIRCLING	4480-1 427 (500-1)	4560-1 507 (600-1)	4560-1½ 507 (600-1½)	4620-2 567 (700-2)

MIRL Rwy 9-27 L

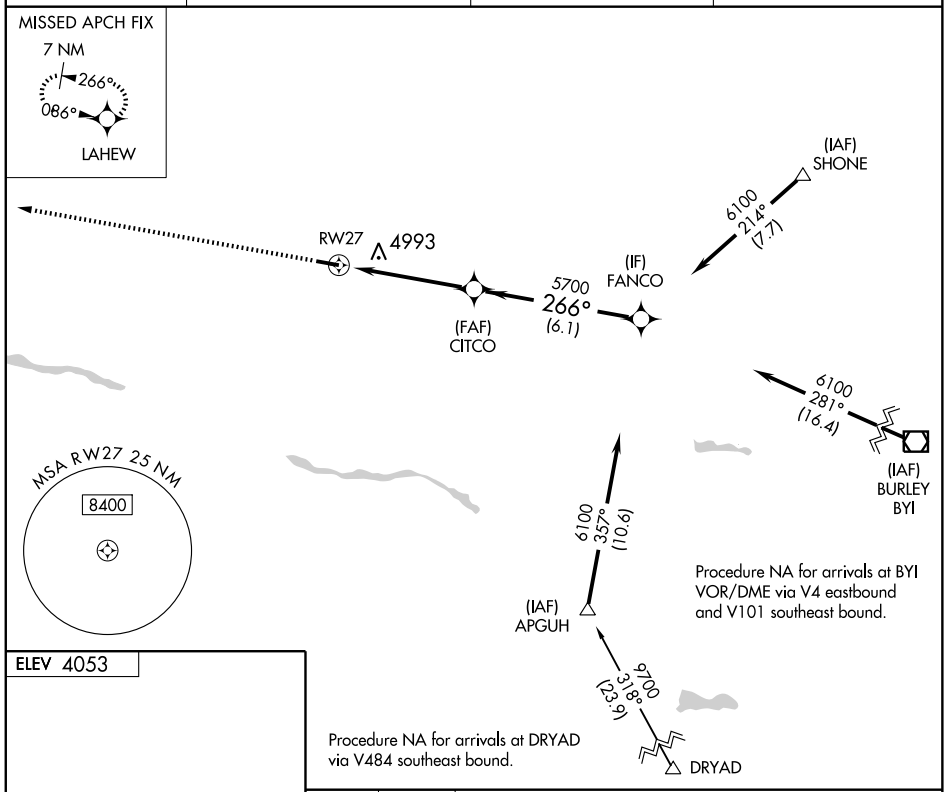
WAAS CH 90514 W27A	APP CRS 266°	Rwy ldg 5001 TDZE 4053 Apt Elev 4053

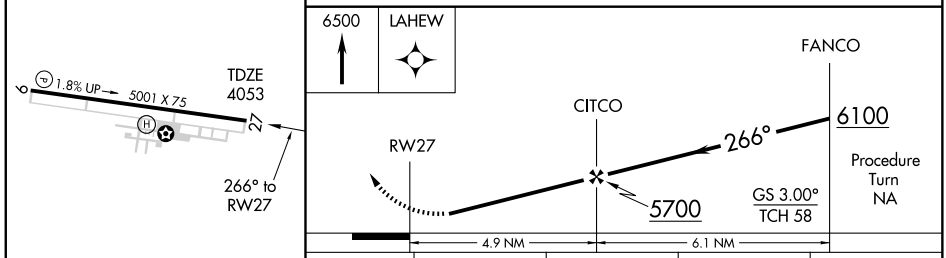
RNAV (GPS) RWY 27
JEROME COUNTY (JER)

Circling NA north of Rwy 9-27. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Twin Falls altimeter setting and increase all DA 49 feet, and all MDA 60, and increase LPV all Cats. visibility ¼ mile.

MISSED APPROACH: Climb to 6500 direct LAHEW and hold.

ASOS	TWIN FALLS APP CON ★	SALT LAKE CENTER	UNICOM
135.225	126.7 353.75	118.05 363.0	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	4434-1¼ 381 (400-1¼)			
LNAV MDA	5300-1¼ 1247 (1300-1¼)	5300-1½ 1247 (1300-1½)	5300-3 1247 (1300-3)	
CIRCLING	5300-1¼ 1247 (1300-1¼)	5300-1½ 1247 (1300-1½)	5300-3 1247 (1300-3)	

MIRL Rwy 8-26 L

NW-1, 14 JAN 2010 to 11 FEB 2010

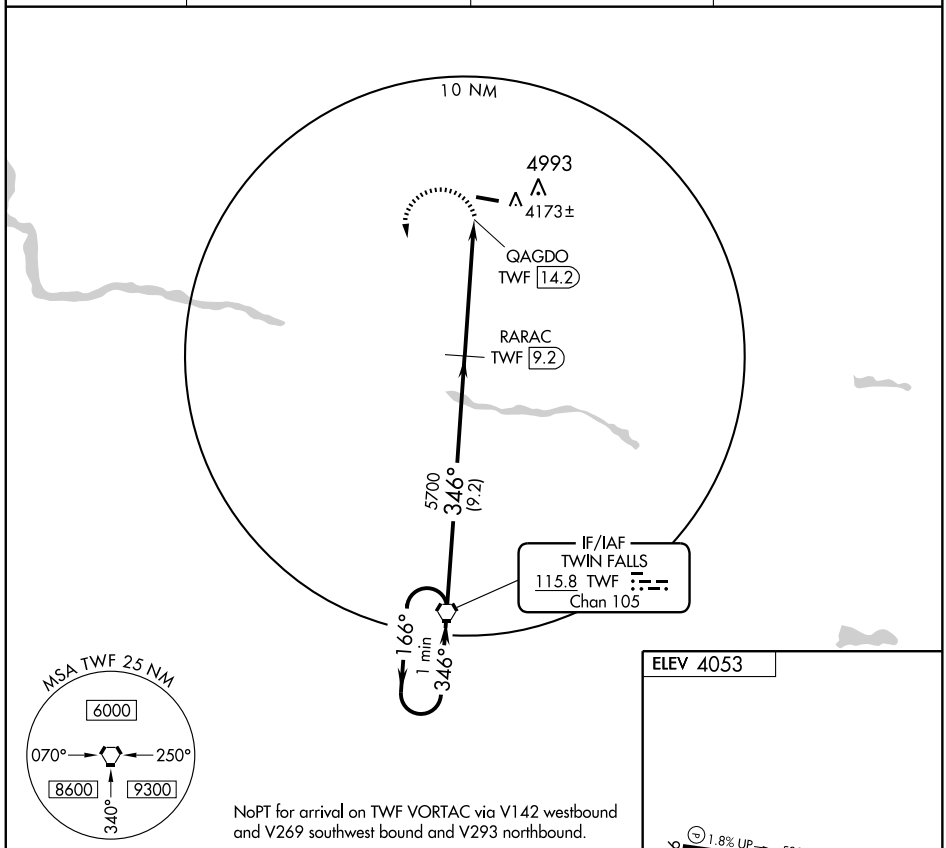
VORTAC TWF	APP CRS	Rwy ldg	N/A
115.8	346°	TDZE	N/A
Chan 105		Apt Elev	4053

VOR/DME-A
JEROME COUNTY (JER)

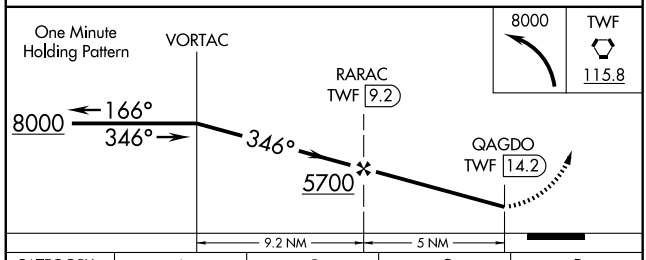
Circling NA north of Rwy 9-27. When local altimeter setting not received, use Twin Falls altimeter setting and increase all MDA 60 feet.

MISSED APPROACH: Climbing left turn to 8000 direct TWF VORTAC and hold, continue climb-in-hold to 8000.

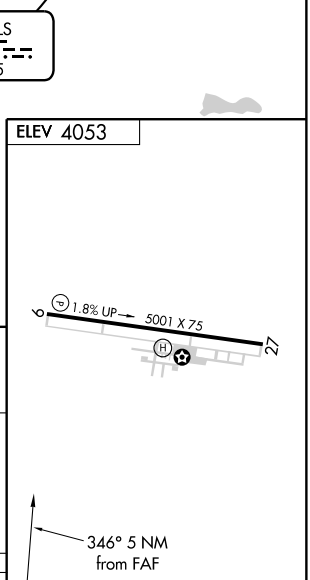
ASOS	TWIN FALLS APP CON ★	SALT LAKE CENTER	UNICOM
135.225	126.7 353.75	118.05 363.0	122.8 (CTAF) L



NoPT for arrival on TWF VORTAC via V142 westbound and V269 southwest bound and V293 northbound.



CATEGORY	A	B	C	D
CIRCLING	4580-1 527 (600-1)		4580-1½ 527 (600-1½)	4620-2 567 (600-2)



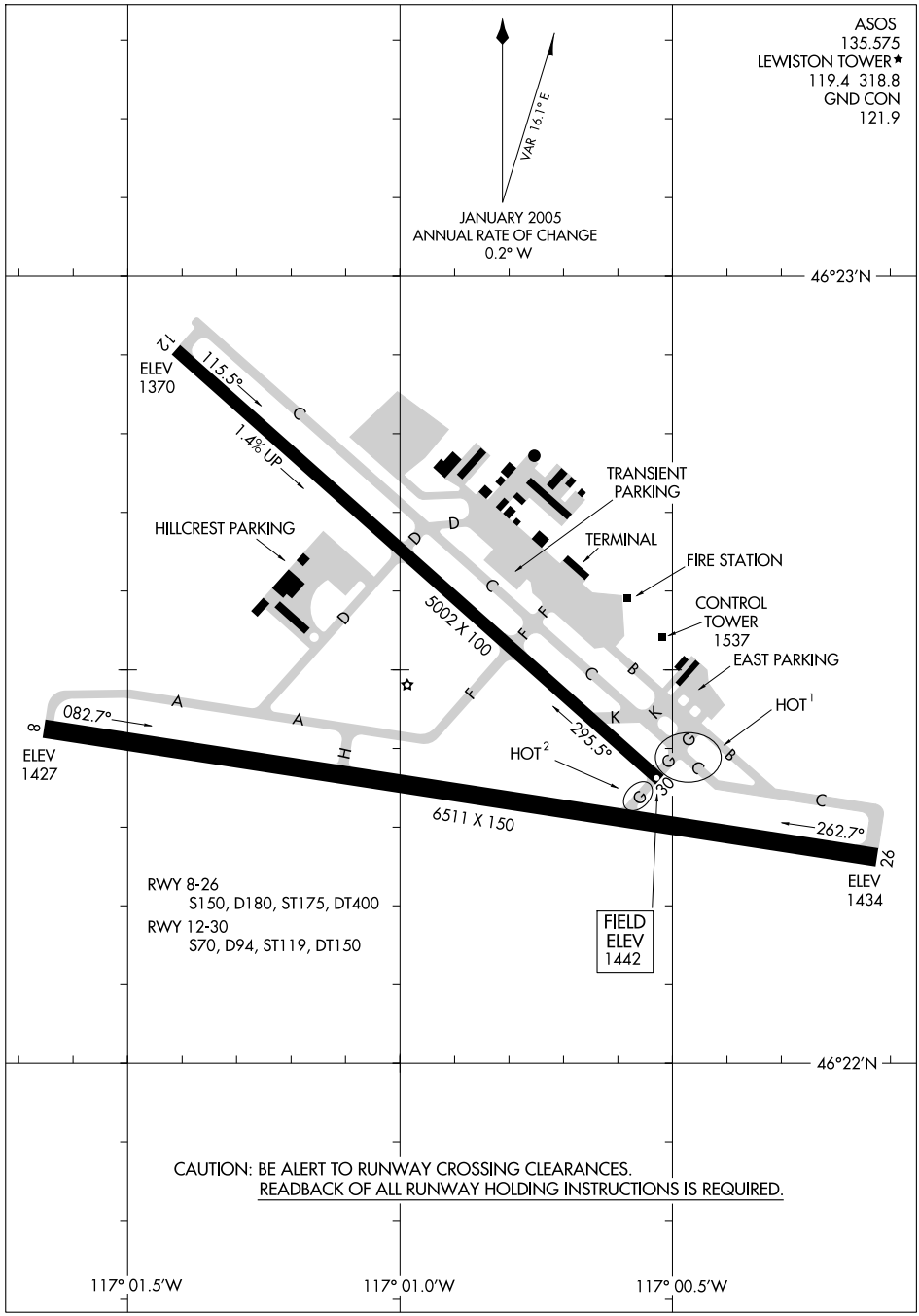
MIRL Rwy 8-26 L

NW-1. 14 JAN 2010 to 11 FEB 2010

AIRPORT DIAGRAM

AL-515 (FAA)

LEWISTON-NEZ PERCE COUNTY (LWS)
LEWISTON, IDAHO



NW-1. 14 JAN 2010 to 11 FEB 2010

LOC I-LWS 109.7	APP CRS 264°	Rwy ldg 6511 TDZE 1442 Apt Elev 1442

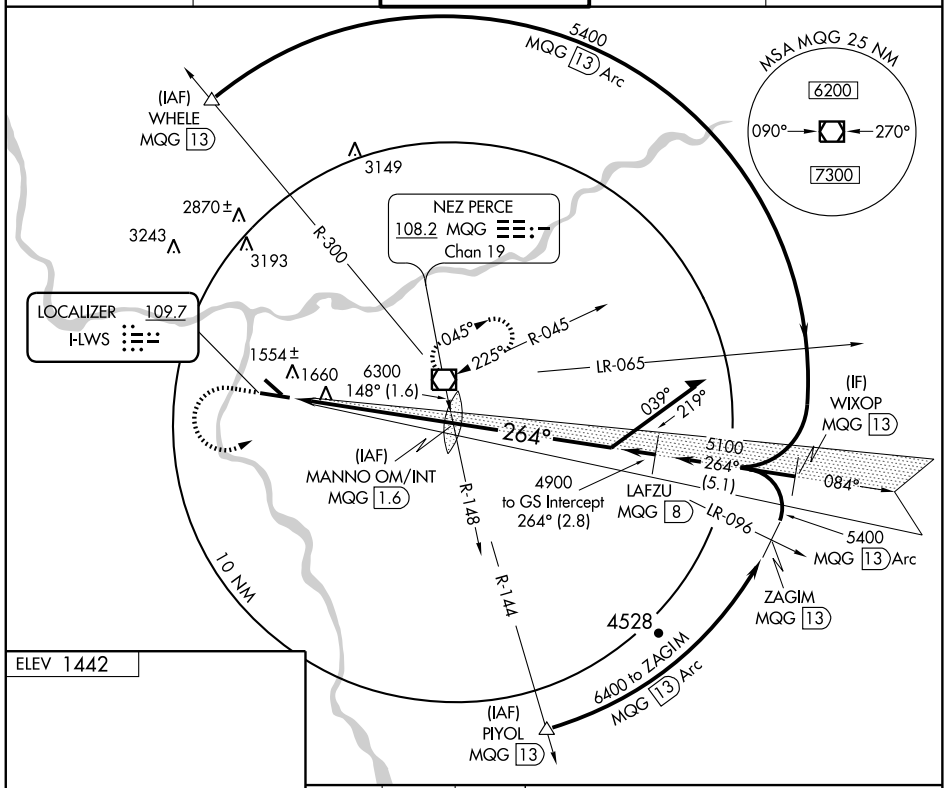
ILS RWY 26
LEWISTON-NEZ PERCE COUNTY (LWS)

When local altimeter setting not received, procedure NA.
Autopilot coupled approach NA below 2500.
Circling requires descent on GS to CMDA.

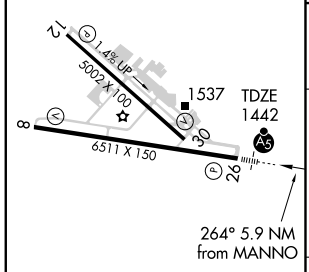
MALSR

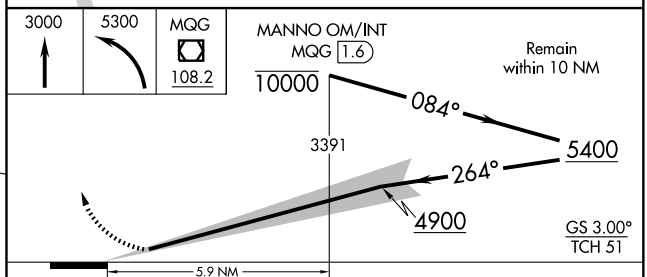
MISSED APPROACH: Climb to 3000 then climbing left turn to 5300 direct MQG VOR/DME and hold, continue climb-in-hold to 5300.

ASOS	SEATTLE CENTER	LEWISTON TOWER★	GND CON	UNICOM
135.575	123.95 282.3	119.4 (CTAF) 318.8	121.9	122.95



ELEV 1442





CATEGORY	A	B	C	D
S-ILS 26	1642-½ 200 (200-½)			
CIRCLING	1900-1 458 (500-1)	1920-1 478 (500-1)	1960-1½ 518 (600-1½)	2160-2¼ 718 (800-2¼)

REIL Rwys 8 and 12
HIRL Rwy 8-26
MIRL Rwy 12-30

POTOR TWO DEPARTURE

SL-515 (FAA)

LEWISTON-NEZ PERCE COUNTY (LWS)
LEWISTON, IDAHO

GND CON
121.9
CTAF 119.4
ASOS 135.575

PULLMAN
109.0 PUW
Chan 27
N46°40.46-W117°13.41′
L-13

R-169

6000
349°
(19)

*Aprx dist fr T/off area

NEZ PERCE
108.2 MQG
Chan 19

POTOR
N46°21.61′
W117°17.72′
4700

V187
246°
(11)*

200°

R-246

18

290°

169°
(4)

R-234

CLOVA
N46°17.55′
W117°18.65′
L-13

NOTE: Departure may be restricted to cross POTOR INT at 5000.

NOTE: Minimum climb required- Rwys 26 and 29-300′/NM to 4700′ (750 FPM/150K IAS 1000 FPM/200K IAS).
Rwys 8 and 11-270′/NM to 4700′ (675 FPM/150K IAS, 900 FPM/200K IAS) or 4600′ ceiling and three miles visibility.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 8, 11: Turn right heading 290°. Thence....

TAKE-OFF RUNWAYS 26, 29: Turn left heading 200°. Thence....

....Intercept and proceed via MQG R-246 (V187) to POTOR INT. Thence via (assigned route) or (transition).

CLOVA TRANSITION (POTOR2.CLOVA): From over POTOR INT via PUW R-169 to CLOVA INT.

PULLMAN TRANSITION (POTOR2.PUW): From over POTOR INT via PUW R-169 to PUW VOR/DME.

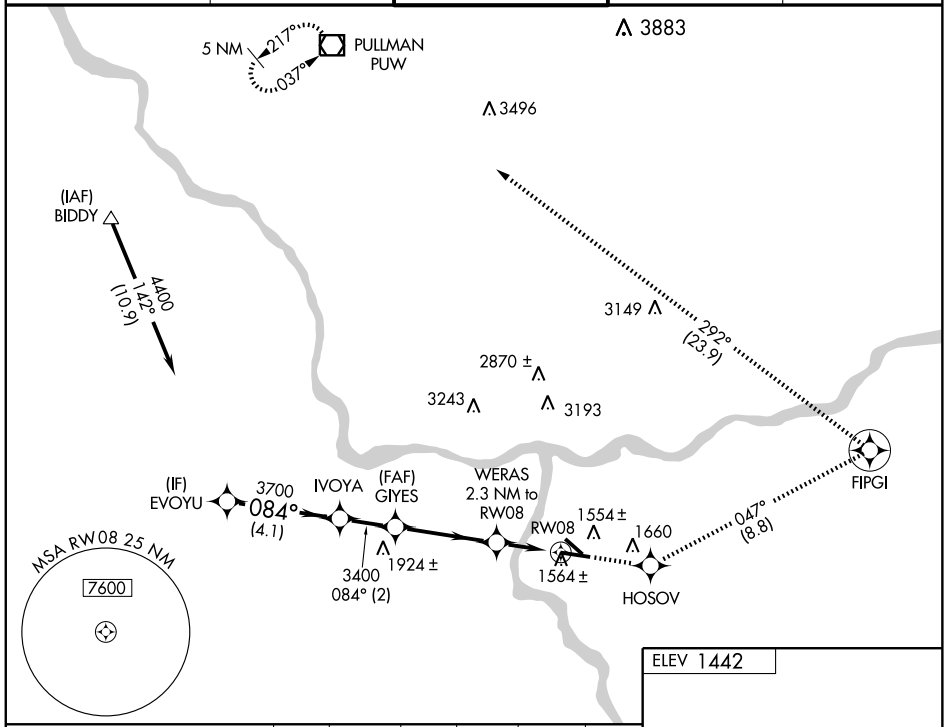
WAAS CH 97600 W08A	APP CRS 084°	Rwy ldg 6511 TDZE 1440 Apt Elev 1442

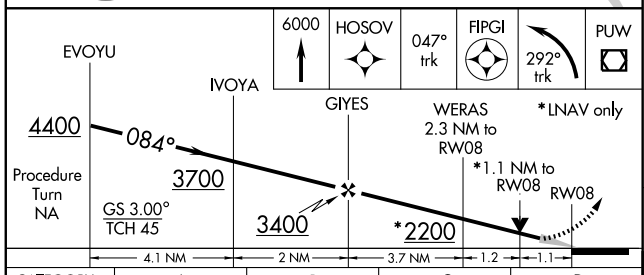
RNAV (GPS) RWY 8
LEWISTON-NEZ PERCE COUNTY (LWS)

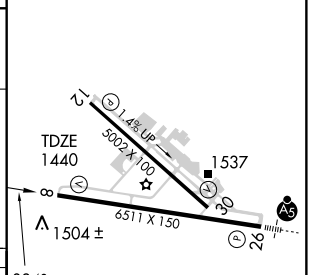
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F).
DME/DME RNP-0.3 NA.
When local altimeter setting not received, procedure NA.

MISSED APPROACH: Climb to 6000 direct HOSOV and via 047° track to FIPGI, and left turn via 292° track to PUW VOR/DME and hold.

ASOS	SEATTLE CENTER	LEWISTON TOWER*	GND CON	UNICOM
135.575	123.95 282.3	119.4 (CTAF) L 318.8	121.9	122.95







CATEGORY	A	B	C	D
LPV DA	1690-1 250 (300-1)			
LNAV/VNAV DA	1831-1½ 391 (400-1½)			
LNAV MDA	1820-1 380 (400-1)			1820-1¼ 380 (400-1¼)
CIRCLING	1900-1 458 (500-1)	1920-1 478 (500-1)	1960-1½ 518 (600-1½)	2160-2¼ 718 (800-2¼)

REIL Rwys 8 and 12 L
HIRL Rwy 8-26
MIRL Rwy 12-30

NW-1, 14 JAN 2010 to 11 FEB 2010

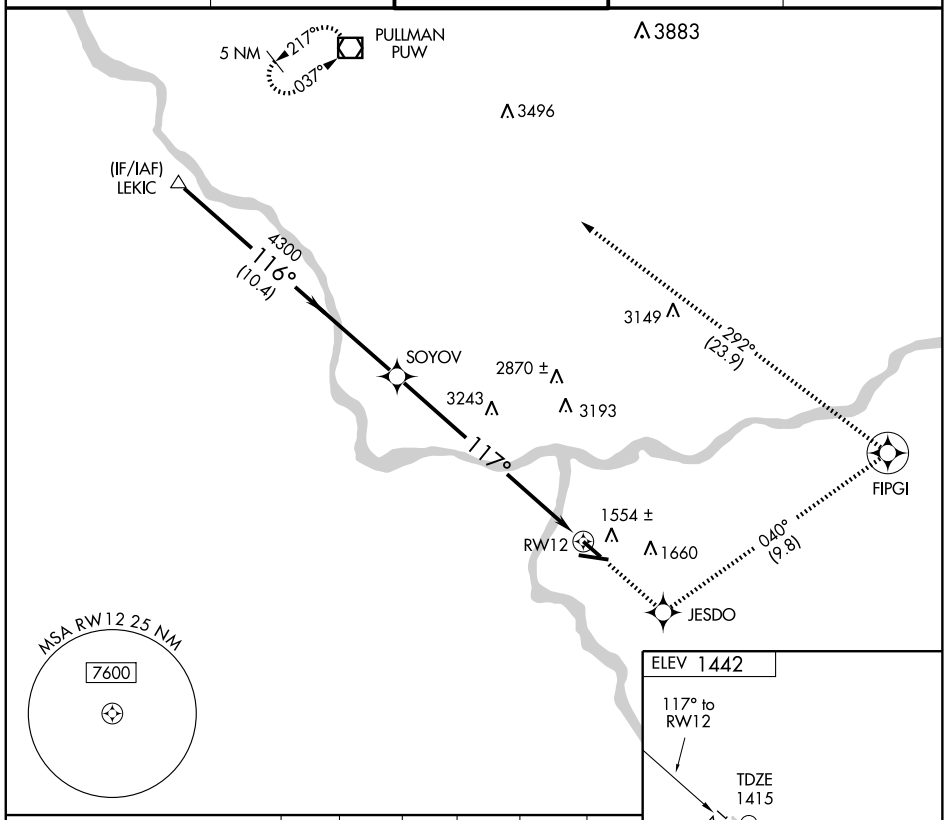
WAAS CH 56500 W12A	APP CRS 117°	Rwy ldg 5002 TDZE 1415 Apt Elev 1442

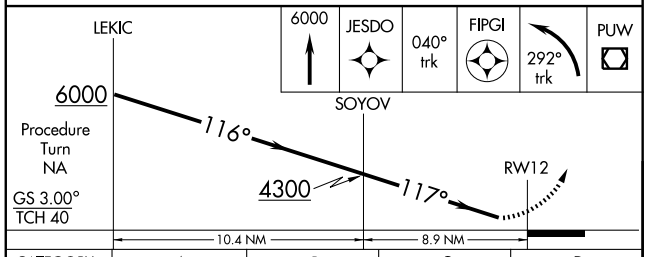
RNAV (GPS) RWY 12
LEWISTON-NEZ PERCE COUNTY (LWS)

Circling requires descent on glidepath to CMDA.
DME/DME RNP-0.3 NA.
Visibility reduction by helicopters NA.
When local altimeter setting not received, procedure NA.

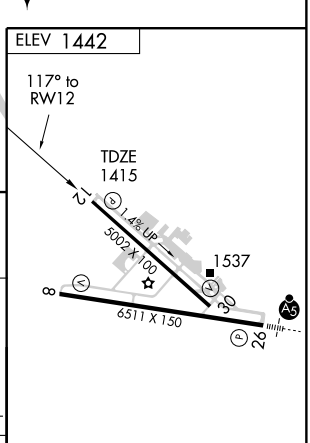
MISSED APPROACH: Climb to 6000 direct JESDO and via 040° track to FIPGI, and left turn via 292° track to PUW VOR/DME and hold.

ASOS	SEATTLE CENTER	LEWISTON TOWER ★	GND CON	UNICOM
135.575	123.95 282.3	119.4 (CTAF) 318.8	121.9	122.95





CATEGORY	A	B	C	D
LPV DA	1748-1¼ 333 (400-1¼)			
CIRCLING	1900-1¼ 458 (500-1¼)	1920-1¼ 478 (500-1¼)	1960-1½ 518 (600-1½)	2160-2¼ 718 (800-2¼)



REIL Rwys 8 and 12
HIRL Rwy 8-26
MIRL Rwy 12-30

NW-1, 14 JAN 2010 to 11 FEB 2010

WAAS CH 78012 W26A	APP CRS 264°	Rwy ldg 6511 TDZE 1442 Apt Elev 1442

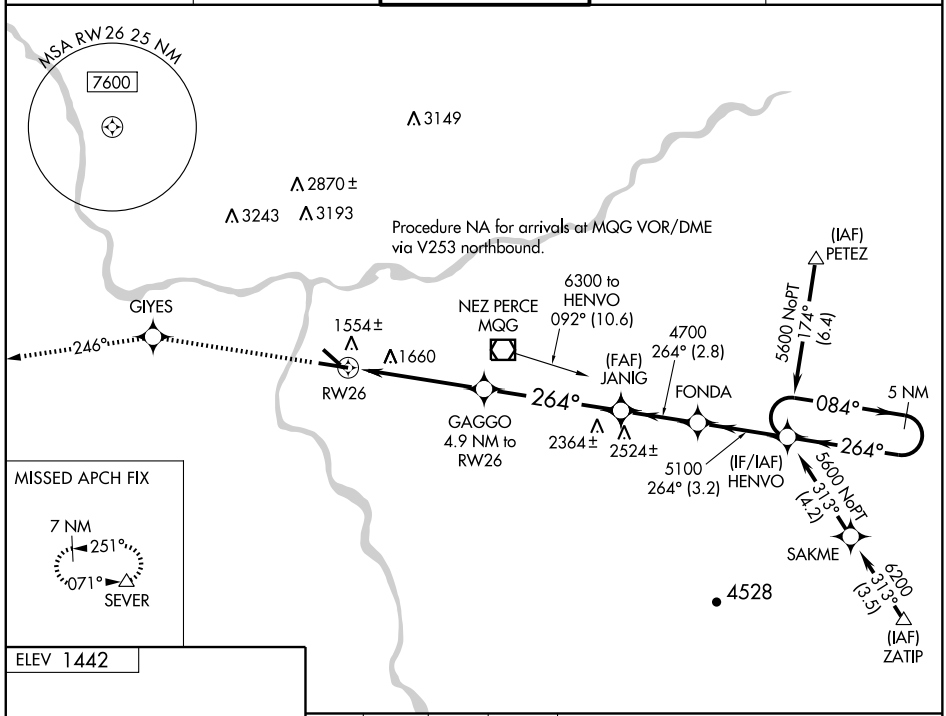
RNAV (GPS) RWY 26
LEWISTON-NEZ PERCE COUNTY (LWS)

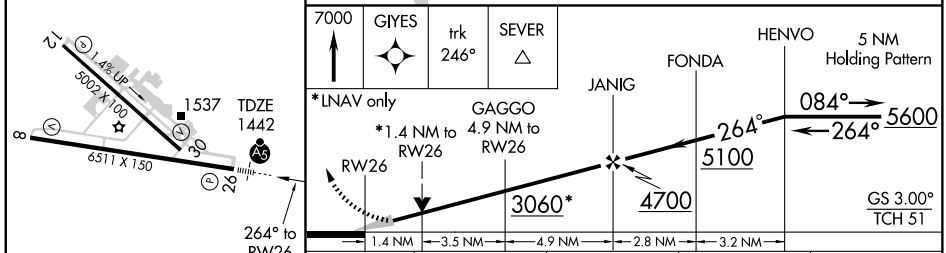
When local altimeter setting not received, procedure NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 47°C (116°F). DME/DME RNP-0.3 NA.

MALSR

MISSED APPROACH: Climb to 7000 direct GIYES and via 246° track to SEVER and hold, continue climb-in-hold to 7000.

ASOS	SEATTLE CENTER	LEWISTON TOWER★	GND CON	UNICOM
135.575	123.95 282.3	119.4 (CTAF) 318.8	121.9	122.95





CATEGORY	A	B	C	D
LPV DA	1642-½ 200 (200-½)			
LNAV/VNAV DA	1962-1¼ 520 (600-1¼)			
LNAV MDA	1920-½ 478 (500-½)		1920-¾ 478 (500-¾)	1920-1 478 (500-1)
CIRCLING	1920-1 478 (500-1)		1960-1½ 518 (600-1½)	2160-2¼ 718 (800-2¼)

REIL Rwys 8 and 12
HIRL Rwy 8-26
MIRL Rwy 12-30

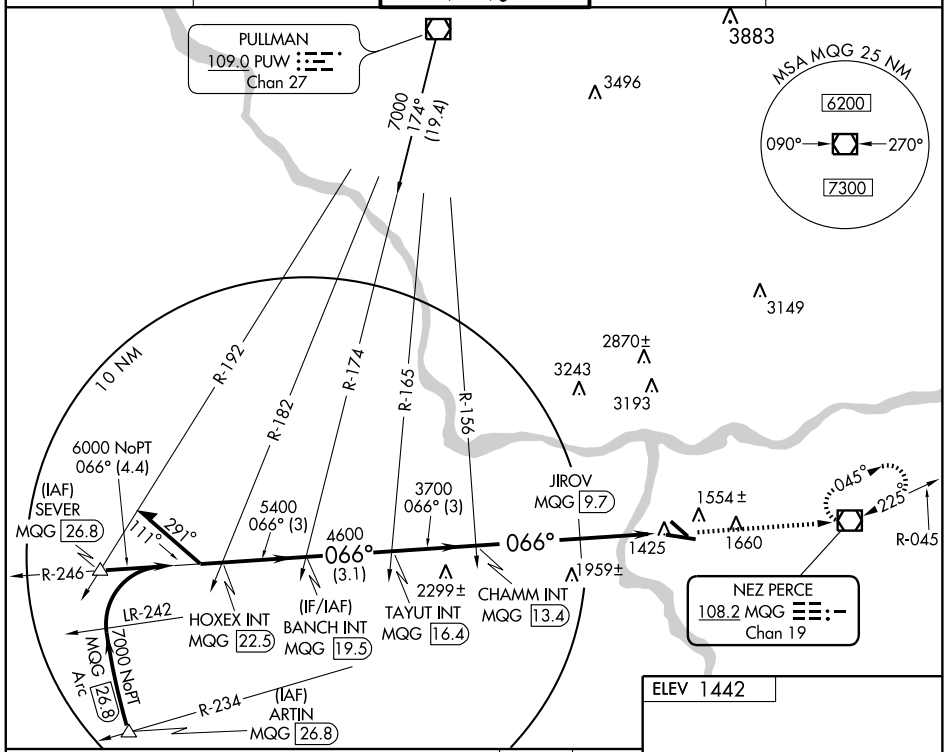
NW-1, 14 JAN 2010 to 11 FEB 2010

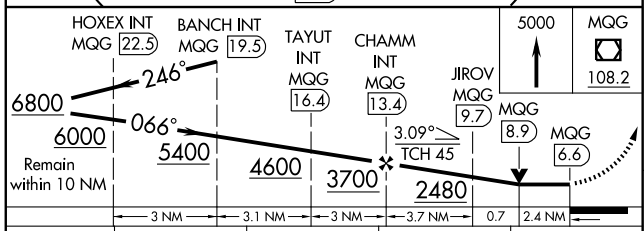
VOR/DME MQG 108.2 Chan 19	APP CRS 066°	Rwy ldg 6511 TDZE 1440 Apt Elev 1442

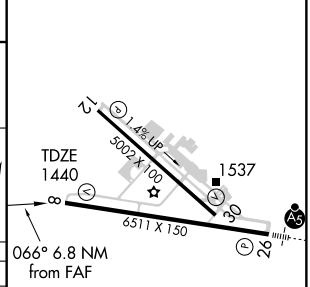
VOR RWY 8
LEWISTON-NEZ PERCE COUNTY (LWS)

MISSED APPROACH: Climb to 5000 direct MQG VOR/DME and hold, continue climb-in-hold to 5000.

ASOS	SEATTLE CENTER	LEWISTON TOWER ★	GND CON	UNICOM
135.575	123.95 282.3	119.4 (CTAF) L 318.8	121.9	122.95







CATEGORY	A	B	C	D
S-8	2480-1¼ 1040 (1100-1¼)	2480-1½ 1040 (1100-1½)	2480-3 1040 (1100-3)	
CIRCLING	2480-1¼ 1038 (1100-1¼)	2480-1½ 1038 (1100-1½)	2480-3 1038 (1100-3)	
JIROV FIX MINIMUMS				
S-8	2220-1 780 (800-1)	2220-1¼ 780 (800-1¼)	2220-2¼ 780 (800-2¼)	2220-2½ 780 (800-2½)
CIRCLING	2220-1 778 (800-1)	2220-1¼ 778 (800-1¼)	2220-2¼ 778 (800-2¼)	2220-2½ 778 (800-2½)

REIL Rwys 8 and 12 L
HIRL Rwy 8-26
MIRL Rwy 12-30

FAF to MAP 6.8 NM					
Knots	60	90	120	150	180
Min:Sec	6:48	4:32	3:24	2:43	2:16

NW-1, 14 JAN 2010 to 11 FEB 2010

VOR/DME MQG 108.2 Chan 19	APP CRS 242°	Rwy ldg 6511 TDZE 1442 Apt Elev 1442

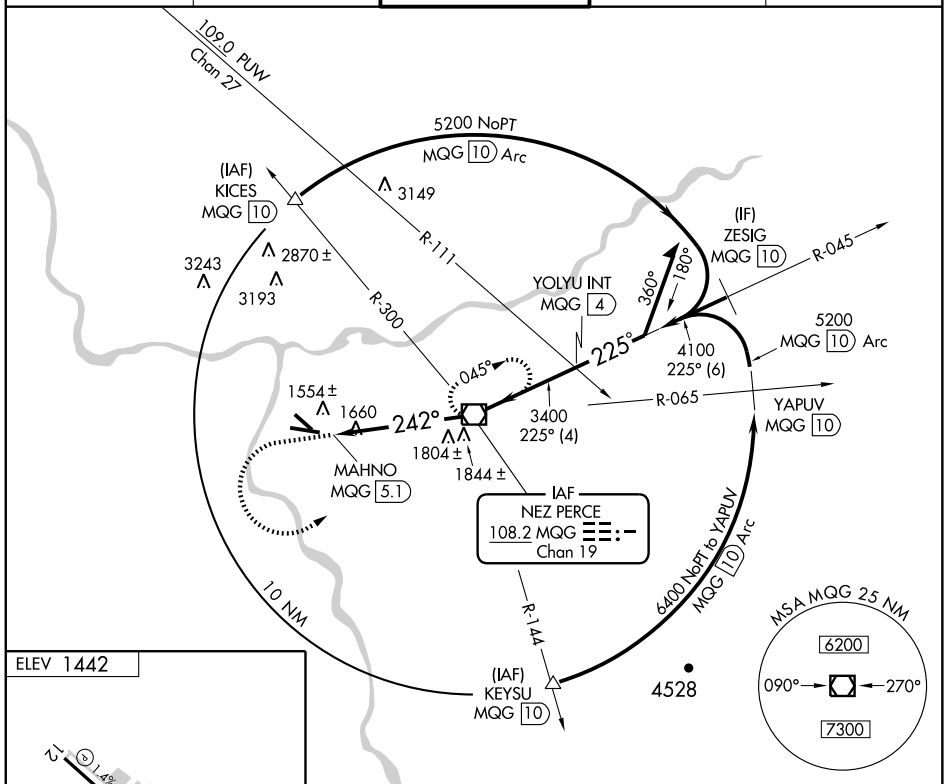
VOR RWY 26
LEWISTON-NEZ PERCE COUNTY (LWS)

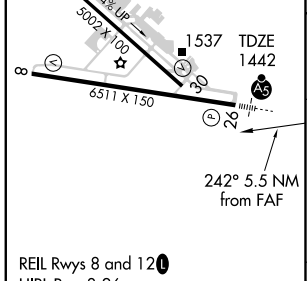
Inoperative table does not apply to S-26 Cats C and D.
When local altimeter setting not received, procedure NA.

MALSR

MISSED APPROACH: Climb to 2600 then climbing left turn to 5000 direct MQG VOR/DME and hold, continue climb-in-hold to 5000.

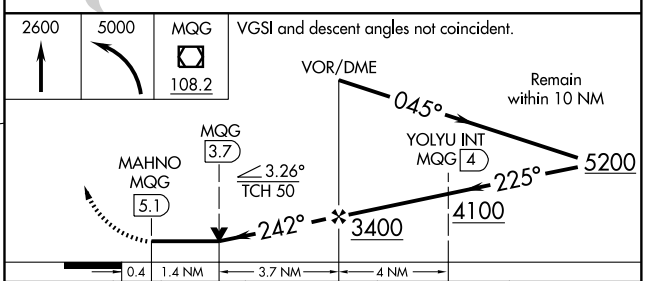
ASOS	SEATTLE CENTER	LEWISTON TOWER★	GND CON	UNICOM
135.575	123.95 282.3	119.4 (CTAF) L 318.8	121.9	122.95





REIL Rwys 8 and 12 L
HIRL Rwy 8-26
MIRL Rwy 12-30

FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

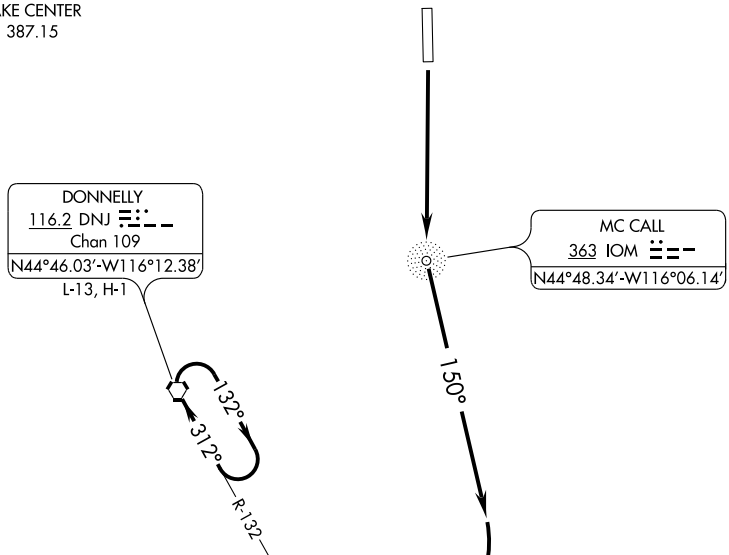


CATEGORY	A	B	C	D
S-26	2060-½ 618 (700-½)		2060-1¾ 618 (700-1¾)	2060-2 618 (700-2)
CIRCLING	2060-1 618 (700-1)		2060-1¾ 618 (700-1¾)	2160-2¼ 718 (800-2¼)

NW-1, 14 JAN 2010 to 11 FEB 2010

MC CALL ONE DEPARTURE (OBSTACLE)

ASOS 119.925
BOISE RADIO
122.35
SALT LAKE CENTER
128.05 387.15



TAKE-OFF OBSTACLE NOTES

Rwy 16: Trees beginning 291′ from DER, 550′ left of centerline, up to 101′ AGL/5180′ MSL.
Pole 3083′ from DER, 1271′ right of centerline, 34′ AGL/5113′ MSL.
Pole 4218′ from DER, 521′ left of centerline, 29′ AGL/5128′ MSL.
Shrub 63′ from DER, 289′ left of centerline, 7′ AGL/5013′ MSL.
Bldg 1066′ from DER, 524′ right of centerline, 36′ AGL/5035′ MSL.
Terrain beginning 1832′ from DER, 445′ left of centerline, up to 5079′ MSL.
Terrain beginning 1236′ from DER, 159′ right of centerline, up to 5097′ MSL.

TAKE-OFF MINIMUMS

Rwy 16: 200-1 or standard with minimum climb of 362′ per NM to 5300.
Rwy 34: NA - Obstacles.

NOTE: ADF Required

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 16: Climb to 9600 direct IOM NDB and via IOM NDB 150° bearing then climbing right turn to 10400 direct DNJ VORTAC, continue climb-in-hold to 10400 before proceeding on course.

NDB IOM 363	APP CRS 343°	Rwy ldg 6108 TDZE 5008 Apt Elev 5020

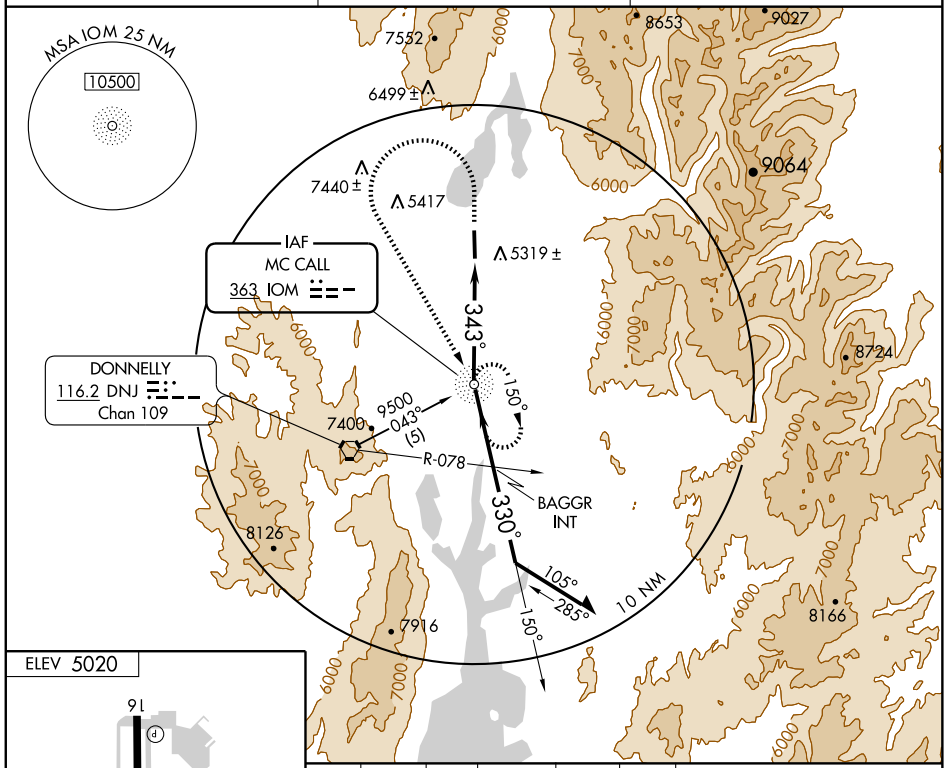
NDB RWY 34

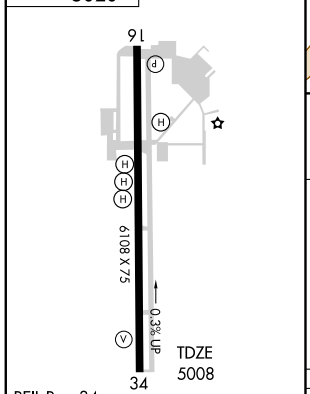
MC CALL MUNI (MYL)

NA If local altimeter not received, procedure NA.

MISSED APPROACH: Climb to 6300, then climbing left turn via IOM NDB 313° bearing to IOM NDB, continue climb via IOM NDB 133° bearing to 9500, then turn right direct IOM NDB and hold.

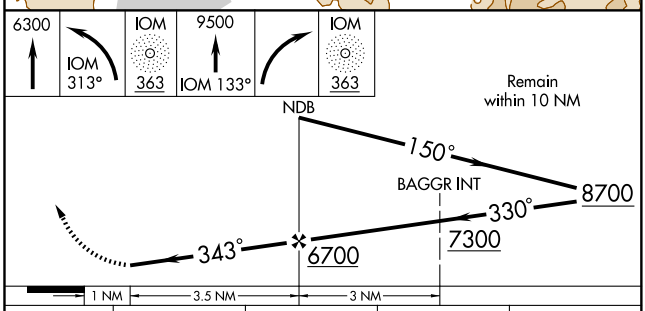
ASOS	SALT LAKE CENTER	UNICOM
119.925	128.05 387.15	122.8 (CTAF)





REIL Rwy 34
MIRL Rwy 16-34

FAF to MAP 3.5 NM					
Knots	60	90	120	150	180
Min:Sec	3:30	2:20	1:45	1:24	1:10



CATEGORY	A	B	C	D
S-34	5800-1¼ 792 (800-1¼)		5800-2¼ 792 (800-2¼)	5800-2½ 792 (800-2½)
CIRCLING	5800-1¼ 780 (800-1¼)		5840-2½ 820 (900-2½)	6000-2 980 (1000-3)

NW-1, 14 JAN 2010 to 11 FEB 2010

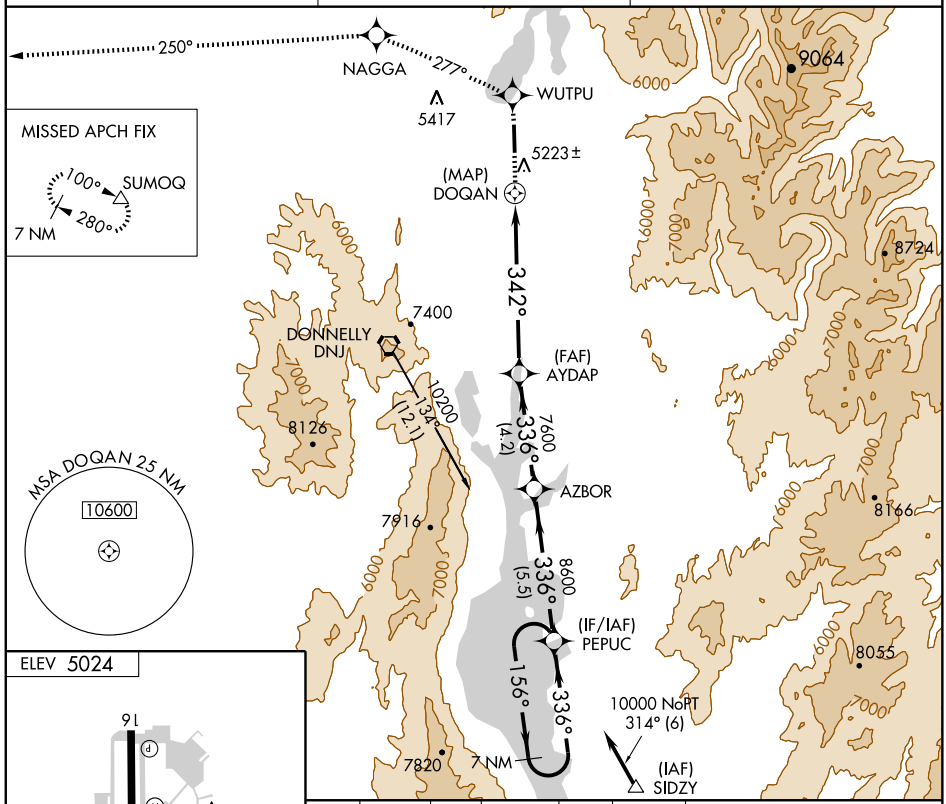
APP CRS	Rwy ldg	6108
342°	TDZE	5012
	Apt Elev	5024

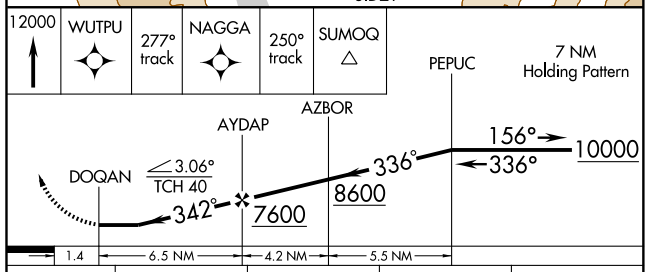
RNAV (GPS) RWY 34
MC CALL MUNI (MYL)

DME/DME RNP-0.3 NA.
NA
Visibility reduction by helicopters NA.
When local altimeter setting not received, procedure NA.

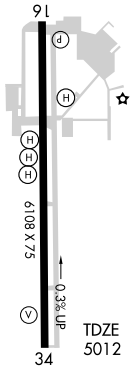
MISSED APPROACH: Climb to 12000 direct WUTPU and via 277° track to NAGGA and via 250° track to SUMOQ and hold, continue climb-in-hold to 12000.

ASOS	SALT LAKE CENTER	UNICOM
119.925	128.05 387.15	122.8 (CTAF)





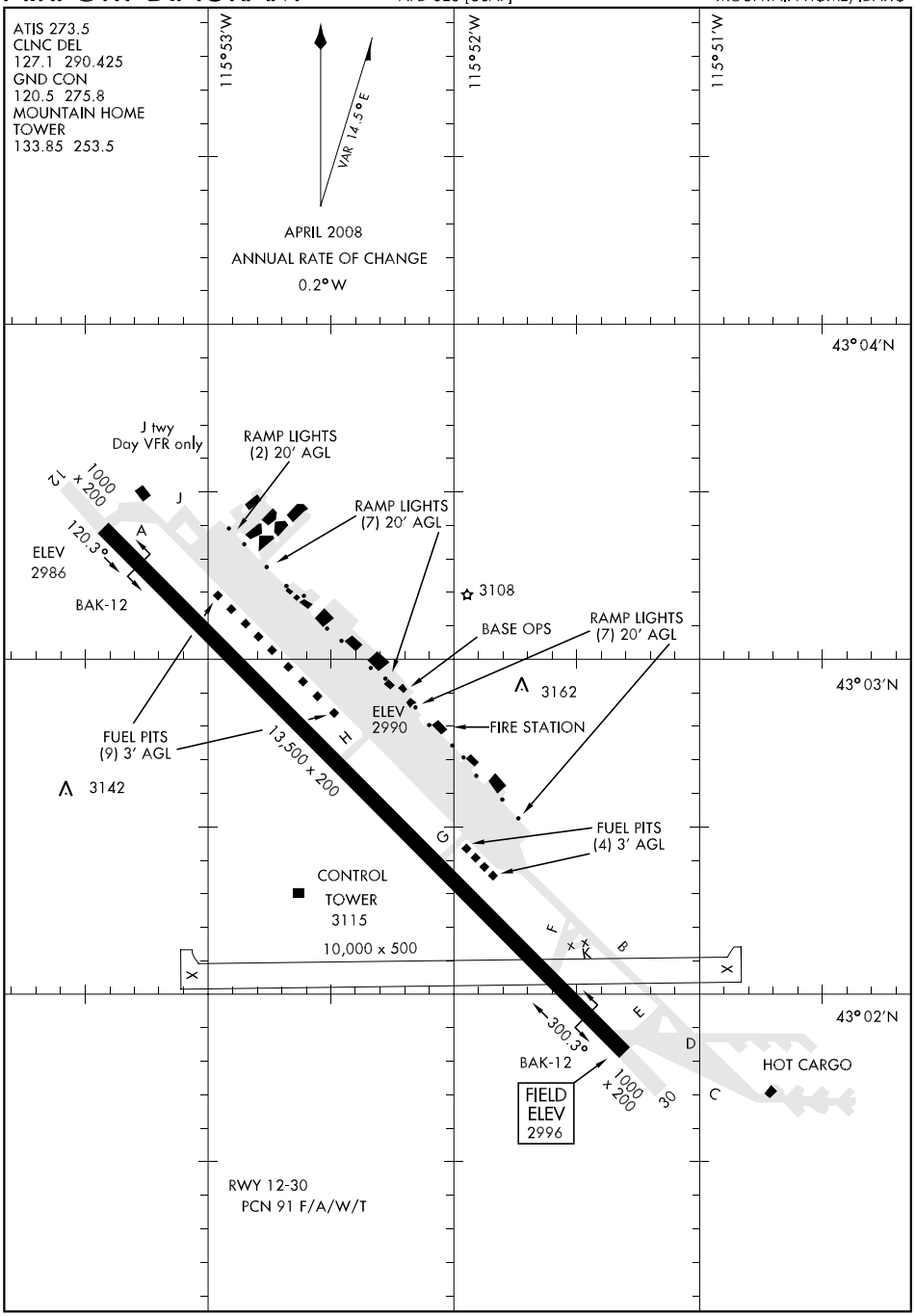
ELEV 5024



REIL Rwy 34
MIRL Rwy 16-34

CATEGORY	A	B	C	D
LNAV MDA	5620-1¾ 608 (600-1¾)			5620-2 608 (600-2)
CIRCLING	5660-1¾ 636 (700-1¾)		5840-2½ 816 (900-2½)	6000-3 976 (1000-3)

NW-1. 14 JAN 2010 to 11 FEB 2010


ATIS 273.5
CLNC DEL
127.1 290.425
GND CON
120.5 275.8
MOUNTAIN HOME
TOWER
133.85 253.5
115°53'W
115°52'W
115°51'W
VAR 14.5°E
APRIL 2008
ANNUAL RATE OF CHANGE
0.2°W
43°04'N
43°03'N
43°02'N
J twy
Day VFR only
RAMP LIGHTS
(2) 20' AGL
RAMP LIGHTS
(7) 20' AGL
RAMP LIGHTS
(7) 20' AGL
1000 x 200
12
J
A
120.3°
ELEV
2986
BAK-12
3108
BASE OPS
3162
ELEV
2990
FIRE STATION
FUEL PITS
(9) 3' AGL
13,500 x 200
H
3142
G
FUEL PITS
(4) 3' AGL
CONTROL
TOWER
3115
10,000 x 500
F
K
B
X
X
E
300.3°
D
BAK-12
1000 x 200
30
C
HOT CARGO
FIELD
ELEV
2996
RWY 12-30
PCN 91 F/A/W/T

HI-ILS RWY 12

LOC I-MUO	APCH CRS	Rwy ldg / TDZE / Arpt Elev
110.3	117°	13,500 / 2986 / 2996

JAL-323 [USAF]

MOUNTAIN HOME AFB (KMUO)

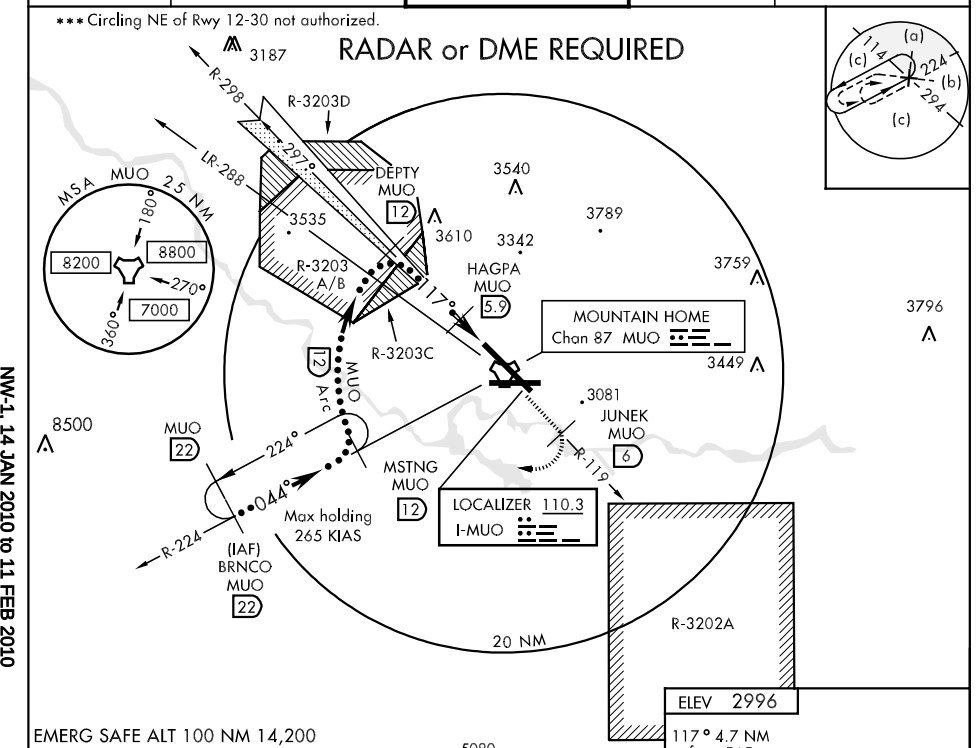
* When ALS inop, increase CAT CDE RVR to 40 and vis to ¾ mile.
** When ALS inop, increase CAT C RVR to 60 and vis to 1¼ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles.

ALSF-1

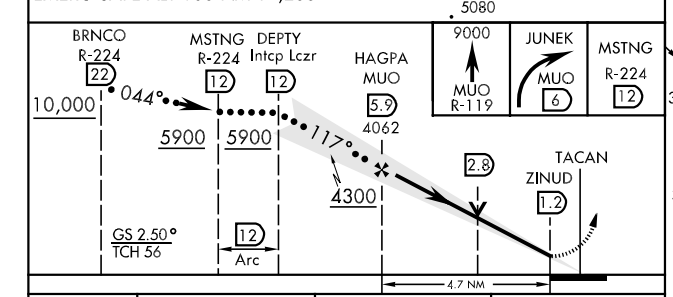
MISSED APPROACH: Climb to 9000 via MUO R-119 to JUNEK INT/6 DME, turn right direct MSTNG and hold.

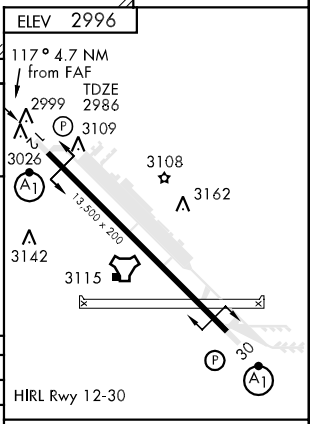
ATIS	MOUNTAIN HOME APP CON	MOUNTAIN HOME TOWER	GND CON	CLNC DEL
273.5	124.8 259.1	133.85 253.5	120.5 275.8	127.1 290.425

*** Circling NE of Rwy 12-30 not authorized.



EMERG SAFE ALT 100 NM 14,200





CATEGORY	C	D	E
S-ILS 12 *	3186/24 200 (200-½)		
S-LOC 12 **	3480/40 494 (500-¾)	3480/50 494 (500-1)	3480/60 494 (500-1¼)
CIRCLING ***	3520-1½ 524 (600-1½)	3560-2 564 (600-2)	

FAF to MAP 4.7 NM					
Knots	120	140	160	180	200
Min:Sec	2:21	2:01	1:46	1:34	1:25

HI-ILS RWY 30

LOC I-BRN	APCH CRS	Rwy ldg / TDZE / Arpt Elev
111.7	297°	13,500 / 2996 / 2996

JAL-323 [USAF]

MOUNTAIN HOME AFB (KMUO)

* When ALS inop, increase CAT CDE RVR to 40 and vis to ¾ mile.
** When ALS inop, increase CAT C RVR to 60 and vis to 1¼ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles.

ALSF-1 (A1)

MISSED APPROACH: Climb to 9000 via MUO R-304 to ZOVTA INT/6 DME, turn left direct MSTNG and hold.

ATIS	MOUNTAIN HOME APP CON	MOUNTAIN HOME TOWER	GND CON	CLNC DEL
273.5	124.8 259.1	133.85 253.5	120.5 275.8	127.1 290.425

* * * Circling NE of Rwy 12-30 not authorized.

RADAR or DME REQUIRED

3187 R-304 R-3203D 3535 3610 3540 3342 3789 R-3203C 3235 3759 R-3203 A/B LOCALIZER 111.7 I-BRN ZOVTA MUO 6 MOUNTAIN HOME Chan 87 MUO N43°02.43′ W115°52.48′ FEGEB MUO 5.7 3449 MUO 8.9 FANGG MUO 12 3796 8500 MUO 22 224° 044° MSTNG MUO 12 297° Max holding 265 KIAS MUO 12 Arc 3187 R-224 (IAF) BRNCO MUO 22 LR-126 117° 20 NM R-3202A R-116

MSA MUO 2.5 NM 180° 8800 8200 270° 7000 360°

(a) 114 (c) 224 (b) 294 (c)

EMERG SAFE ALT 100 NM 14,200

ELEV 2996

12 (P) A1 3108 3162 3142 13,500 x 200 3115 3013 3069 A1 (P) 30 TDZE 2996

297° 4.6 NM from FAF

HIRL Rwy 12-30

9000 MUO R-304 | ZOVTA MUO 6 | MSTNG R-224 12 | FEGEB 5.7 | MUO 8.9 | FANGG Intcp Lczr 12 | MSTNG R-224 12 | BRNCO R-224 22

044° 10,000 5900 5900 297° 5300 4106 4300 2.6 TACAN KUMSE 1.1 12 Arc GS 2.50° TCH 49 4.6 NM

FAF to MAP 4.6 NM					
Knots	120	140	160	180	200
Min:Sec	2:19	1:59	1:44	1:33	1:24

CATEGORY	C	D	E
S-ILS 30 *	3196/24 200 (200-½)		
S-LOC 30 **	3460/40 464 (500-¾)	3460/50 464 (500-1)	3460/60 464 (500-1¼)
CIRCLING ***	3520-1½ 524 (600-1½)	3560-2 564 (600-2)	

HI-TACAN RWY 12

TACAN MUO Chan 87	APCH CRS 124°	Rwy ldg 13,500 TDZE 2986 Arpt Elev 2996

JAL-323 [USAF]

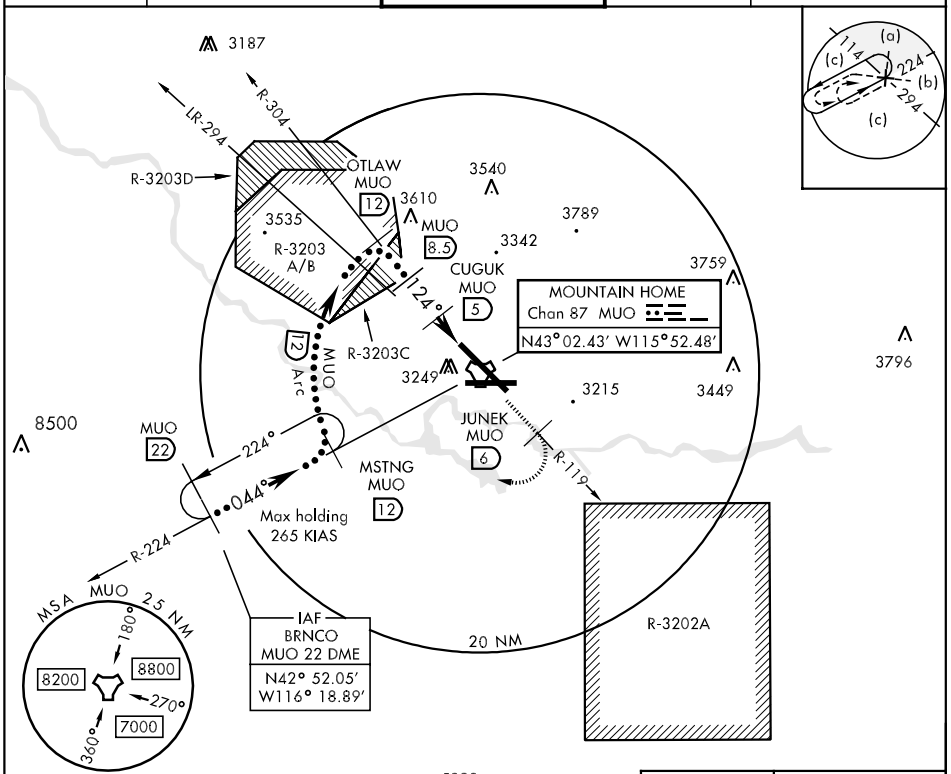
MOUNTAIN HOME AFB (KMUO)

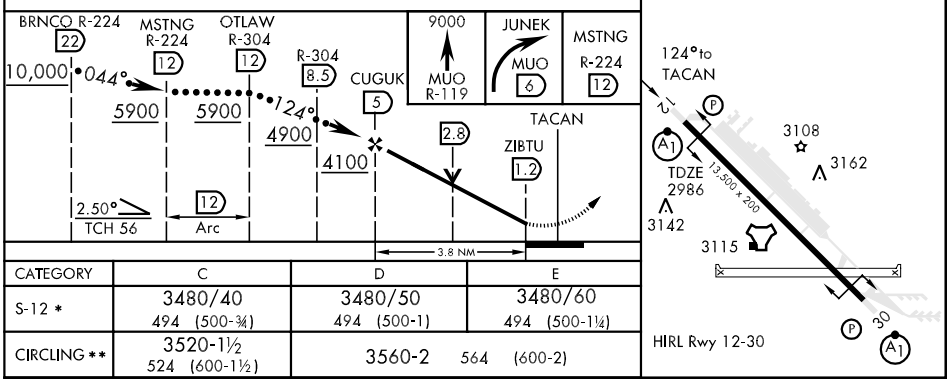
* When ALS inop, increase CAT C RVR to 60 and vis to 1¼ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles.
** Circling NE of Rwy 12-30 not authorized.

ALSF-1

MISSED APPROACH: Climb to 9000 via MUO R-119 to JUNEK INT/6 DME, turn right direct MSTNG and hold.

ATIS	MOUNTAIN HOME APP CON	MOUNTAIN HOME TOWER	GND CON	CLNC DEL
273.5	124.8 259.1	133.85 253.5	120.5 275.8	127.1 290.425





CATEGORY	C	D	E
S-12 *	3480/40 494 (500-¾)	3480/50 494 (500-1)	3480/60 494 (500-1¼)
CIRCLING **	3520-1½ 524 (600-1½)	3560-2 564 (600-2)	

HI-TACAN RWY 30

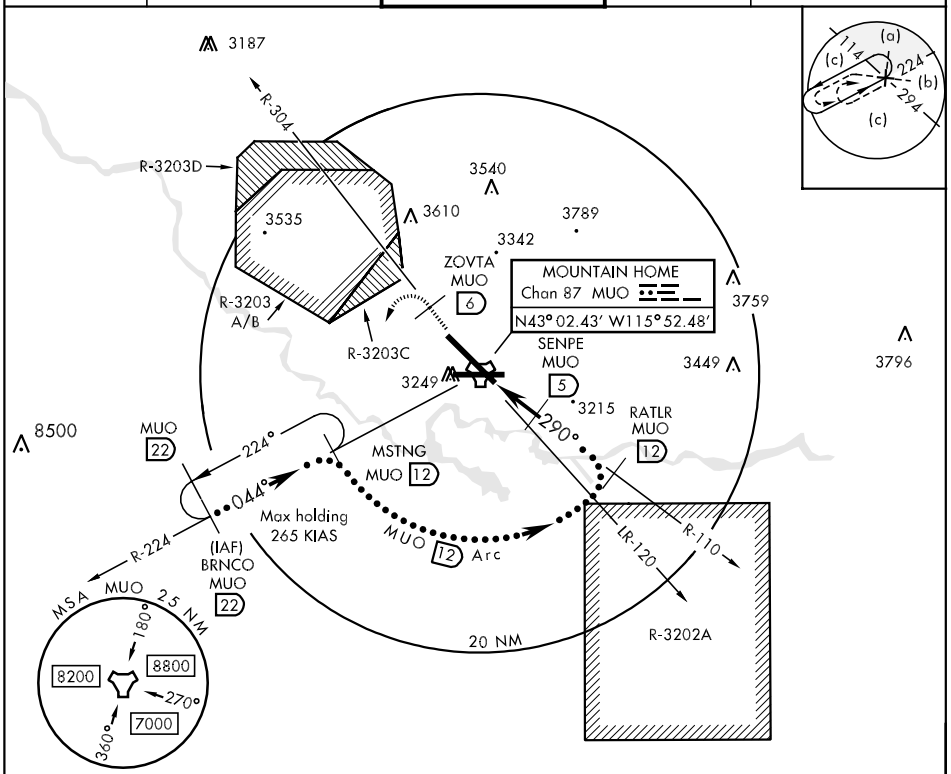
TACAN MUO Chan 87	APCH CRS 290°	Rwy ldg 13,500 TDZE 2996 Arpt Elev 2996	JAL-323 [USAF]	MOUNTAIN HOME AFB (KMUO)

T * When ALS inop, increase CAT C RVR to 60 and vis to 1¼ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles.
** Circling NE of Rwy 12-30 not authorized.

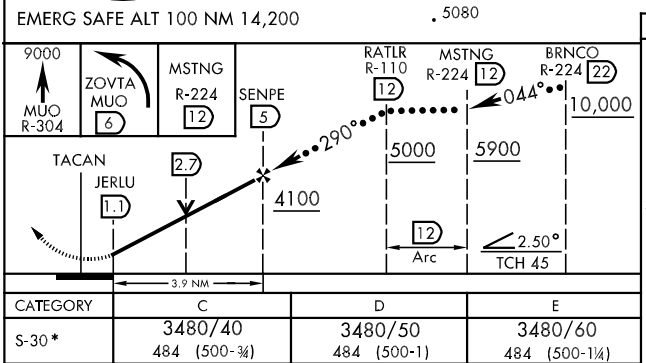
ALSF-1

MISSED APPROACH: Climb to 9000 via MUO R-304 to ZOVTA INT/6 DME, turn left direct MSTNG and hold.

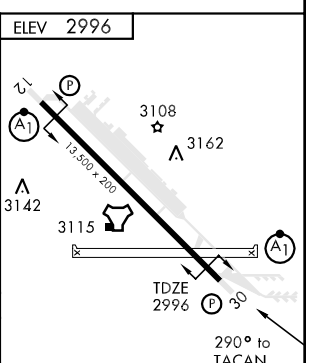
ATIS	MOUNTAIN HOME APP CON	MOUNTAIN HOME TOWER	GND CON	CLNC DEL
273.5	124.8 259.1	133.85 253.5	120.5 275.8	127.1 290.425



EMERG SAFE ALT 100 NM 14,200



CATEGORY	C	D	E
S-30*	3480/40 484 (500-¾)	3480/50 484 (500-1)	3480/60 484 (500-1¼)
CIRCLING**	3520-1½ 524 (600-1½)	3560-2 564 (600-2)	



HIRL Rwy 12-30

ILS RWY 12

LOC I-MUO	APCH CRS	Rwy ldg / TDZE / Arpt Elev
110.3	117°	13,500 / 2986 / 2996

AL-323 [USAF]

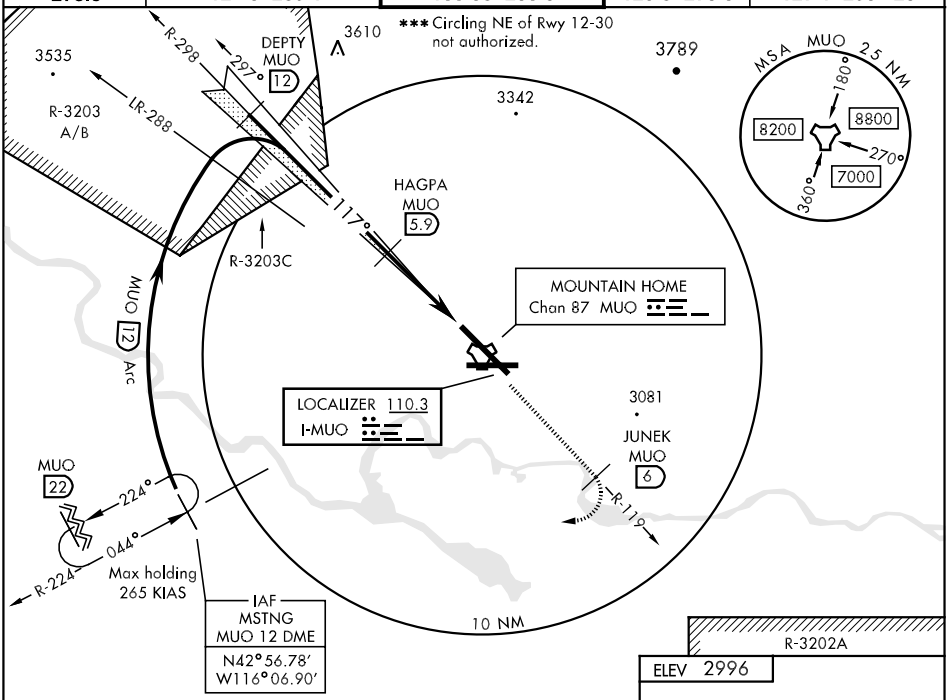
MOUNTAIN HOME AFB (KMUO)

* When ALS inop, increase RVR to 40, vis to ¾ mile.
** When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1¼ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles.

ALSF-1

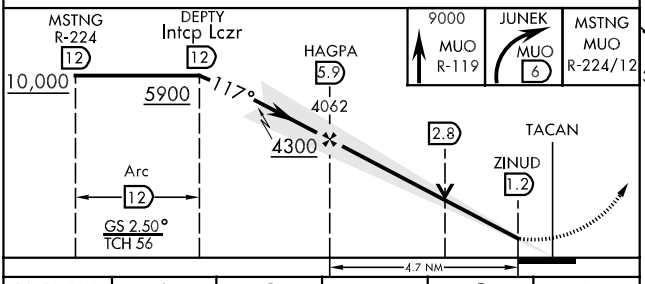
MISSED APPROACH: Climb to 9000 via MUO R-119 to JUNEK INT/6 DME, turn right direct MSTNG and hold.

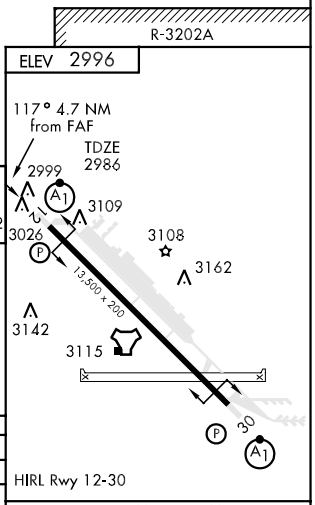
ATIS	MOUNTAIN HOME APP CON	MOUNTAIN HOME TOWER	GND CON	CLNC DEL
273.5	124.8 259.1	133.85 253.5	120.5 275.8	127.1 290.425



RADAR or DME REQUIRED

EMERG SAFE ALT 100 NM 14,200





CATEGORY	A	B	C	D	E
S-ILS 12 *	3186/24 200 (200-½)				
S-LOC 12 **	3460/24 474 (500-½)		3460/40 474 (500-¾)	3460/50 474 (500-1)	3460/60 474 (500-1¼)
CIRCLING ***	3520-1 524 (600-1)		3520-1½ 524 (600-1½)	3560-2 564 (600-2)	

FAF to MAP 4.7 NM					
Knots	60	90	120	150	180
Min:Sec	4:42	3:08	2:21	1:53	1:34

ILS RWY 30

LOC I-BRN	APCH CRS	Rwy ldg / TDZE / Arpt Elev
111.7	297°	13,500 / 2996 / 2996

AL-323 [USAF]

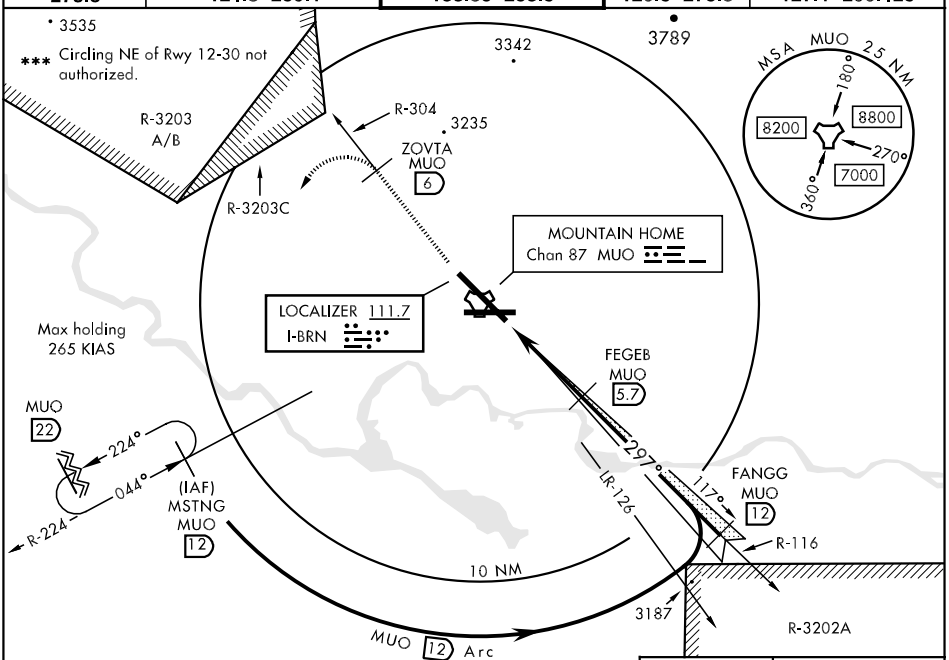
MOUNTAIN HOME AFB (KMUO)

* When ALS inop, increase CAT ABCDE RVR to 40, vis to ¾ mile.
** When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1¼ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles.

ALSF-1

MISSED APPROACH: Climb to 9000 via MUO R-304 to ZOVTA/6 DME, turn left direct MSTNG and hold.

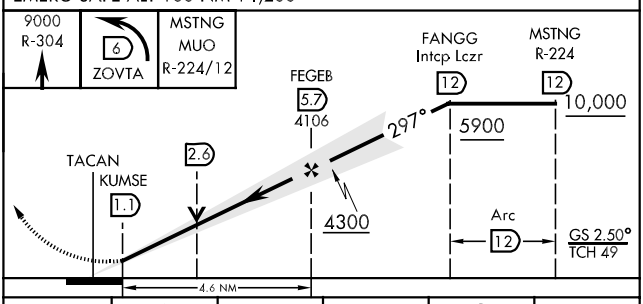
ATIS	MOUNTAIN HOME APP CON	MOUNTAIN HOME TOWER	GND CON	CLNC DEL
273.5	124.8 259.1	133.85 253.5	120.5 275.8	127.1 290.425

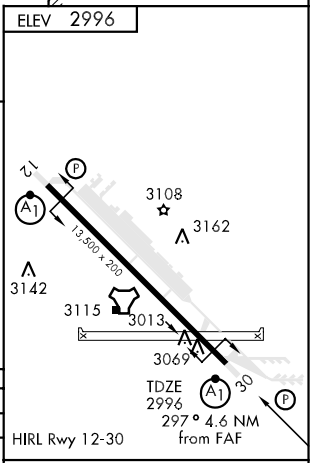


ELEV 2996

RADAR or DME REQUIRED

EMERG SAFE ALT 100 NM 14,200





CATEGORY	A	B	C	D	E
S-ILS 30 *	3196/24 200 (200-½)				
S-LOC 30 **	3460/24 464 (500-½)		3460/40 464 (500-¾)	3460/50 464 (500-1)	3460/60 464 (500-1¼)
CIRCLING***	3520-1 524 (600-1)		3520-1½ 524 (600-1½)	3560-2 564 (600-2)	

FAF to MAP 4.6 NM					
Knots	60	90	120	150	180
Min:Sec	4:39	3:06	2:19	1:52	1:33

TACAN RWY 12

TACAN MUO	APCH CRS	Rwy ldg / TDZE / Arpt Elev
Chan 87	124°	13,500 / 2986 / 2996

AL-323 [USAF]

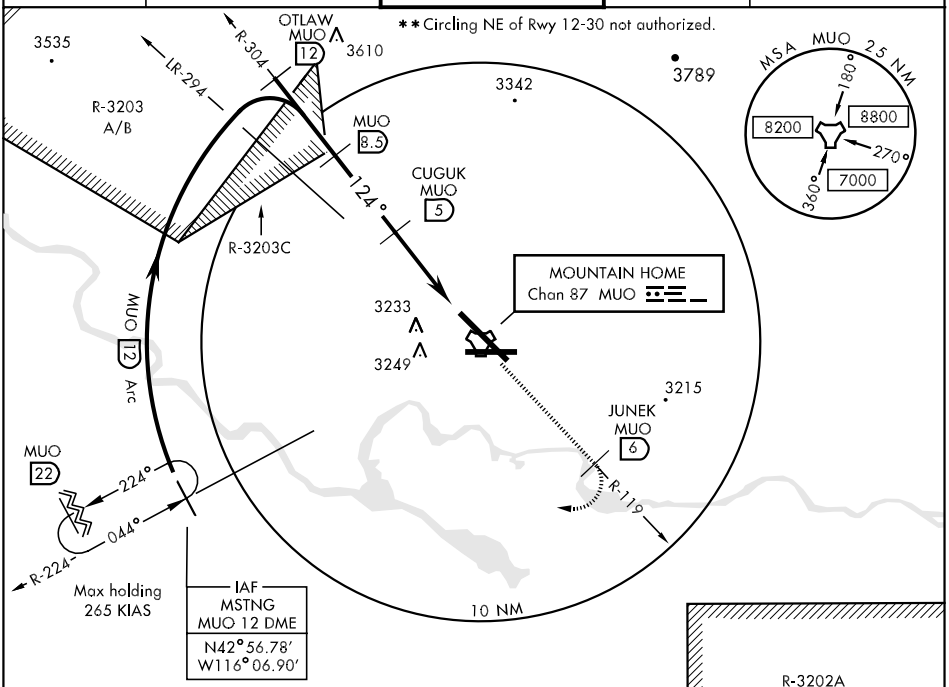
MOUNTAIN HOME AFB (KMUO)

* When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1¼ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles.

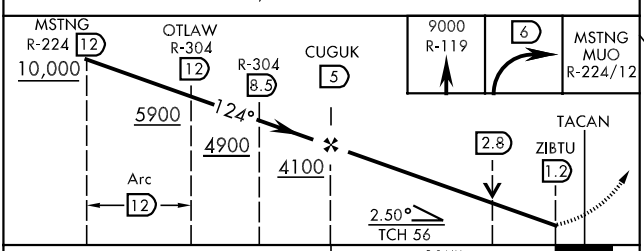
ALSF-1

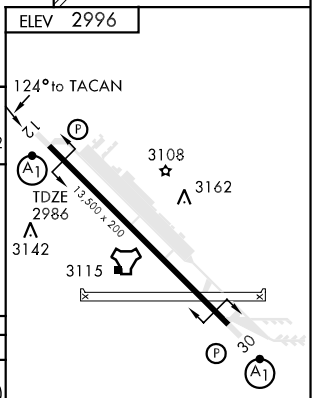
MISSED APPROACH: Climb to 9000 via MUO R-119 to JUNEK INT/6 DME, turn right direct MSTNG and hold.

ATIS	MOUNTAIN HOME APP CON	MOUNTAIN HOME TOWER	GND CON	CLNC DEL
273.5	124.8 259.5	133.85 253.5	120.5 275.8	127.1 290.425



EMERG SAFE ALT 100 NM 14,200





CATEGORY	A	B	C	D	E
S-12 *	3480/40 494 (500-¾)			3480/50 494 (500-1)	3480/60 494 (500-1¼)
CIRCLING **	3520-1 524 (600-1)		3520-1½ 524 (600-1½)	3560-2 564 (600-2)	

HIRL Rwy 12-30

TACAN RWY 30

TACAN MUO	APCH CRS	Rwy ldg / TDZE / Arpt Elev
Chan 87	290°	13,500 / 2996 / 2996

AL-323 [USAF]

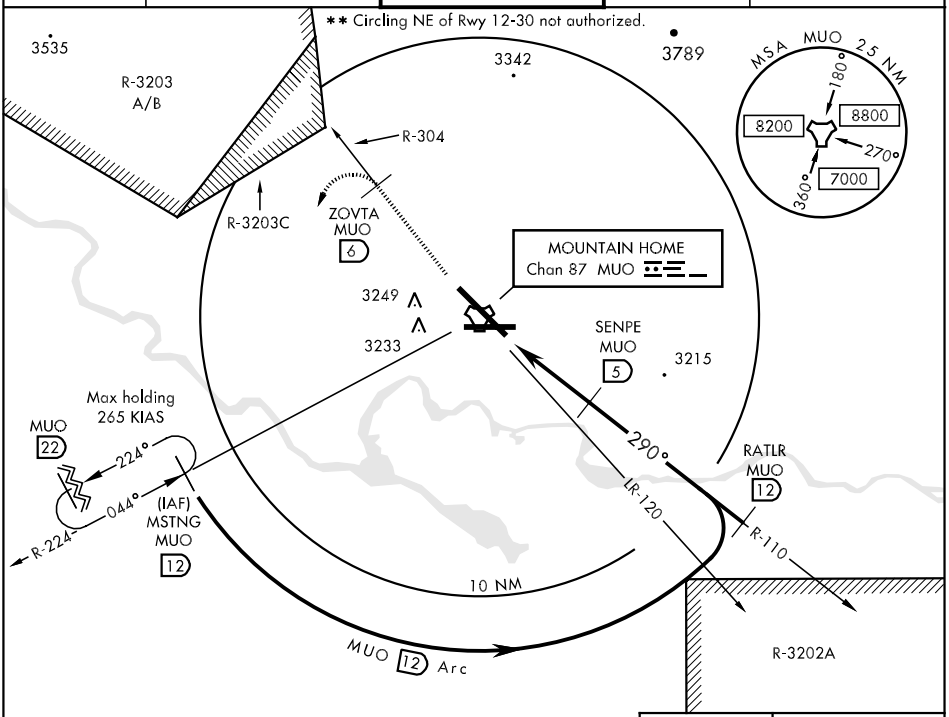
MOUNTAIN HOME AFB (KMUO)

▼ * When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1¼ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles.

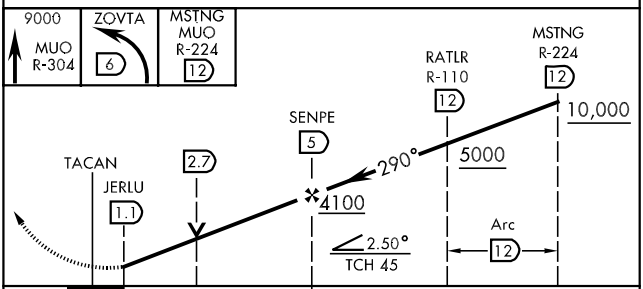
ALSF-1 (A1)

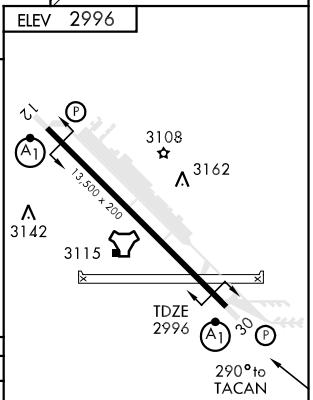
MISSED APPROACH: Climb to 9000 via MUO R-304 to ZOVTA INT/6 DME, turn left direct MSTNG and hold.

ATIS	MOUNTAIN HOME APP CON	MOUNTAIN HOME TOWER	GND CON	CLNC DEL
273.5	124.8 259.1	133.85 253.5	120.5 275.8	127.1 290.425



EMERG SAFE ALT 100 NM 14,200





HIRL Rwy 12-30

CATEGORY	A	B	C	D	E
S-30 *	3480/24 484 (500-½)		3480/40 484 (500-¾)	3480/50 484 (500-1)	3480/60 484 (500-1¼)
CIRCLING**	3520-1 524 (600-1)		3520-1½ 524 (600-1½)	3560-2 564 (600-2)	

NDB RWY 28
MOUNTAIN HOME MUNI (U76)

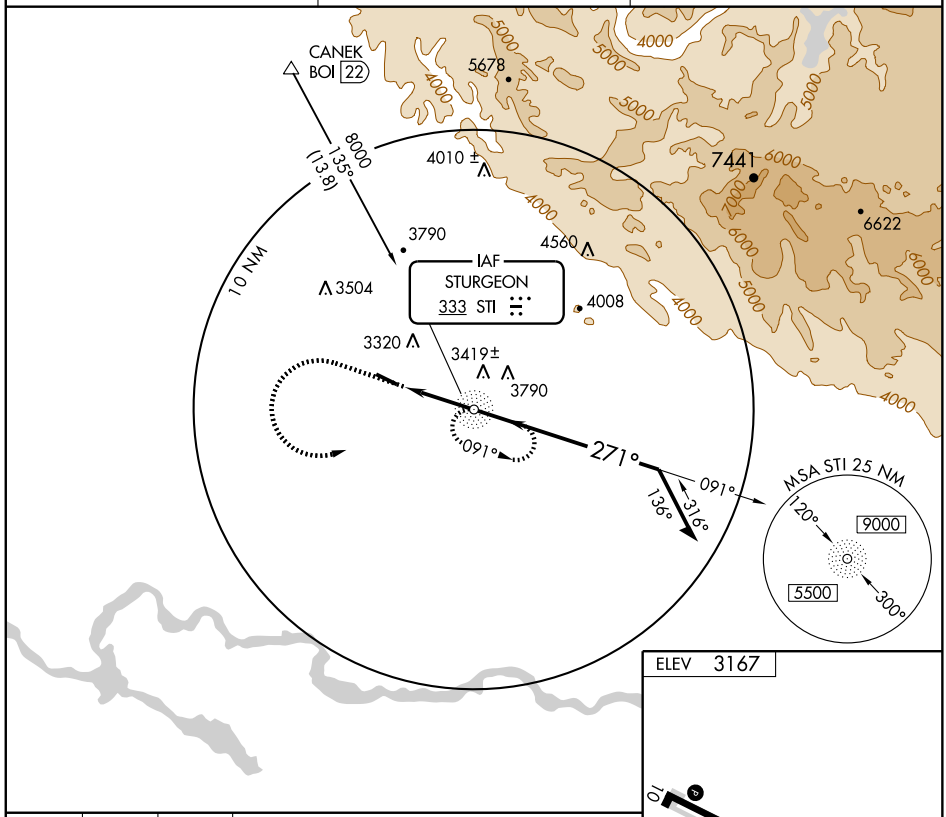
NDB STI 333	APP CRS 271°	Rwy ldg 5000 TDZE 3165 Apt Elev 3167

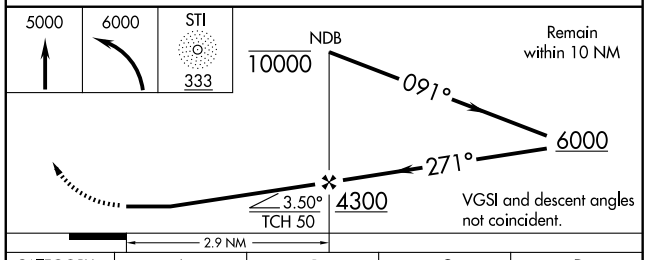
Circling to Rwy 10 NA at night. Visibility reduction by helicopters NA. Use Mountain Home AFB altimeter setting; when not received, procedure NA.

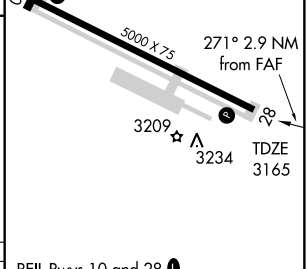
NA

MISSED APPROACH: Climb to 5000 then climbing left turn to 6000 direct STI NDB and hold.

AWOS-3	MOUNTAIN HOME APP CON *	UNICOM
122.8	124.8 259.1	122.8 (CTAF) L







REIL Rwys 10 and 28 L
MIRL Rwy 10-28 L

CATEGORY	A	B	C	D
S-28	3720-1	555 (600-1)	3720-1½ 555 (600-1½)	3720-1¾ 555 (600-1¾)
CIRCLING	3720-1	553 (600-1)	3820-1¾ 653 (700-1¾)	3840-2¼ 673 (700-2¼)

FAF to MAP 2.9 NM

Knots	60	90	120	150	180
Min:Sec	2:54	1:56	1:27	1:10	0:58

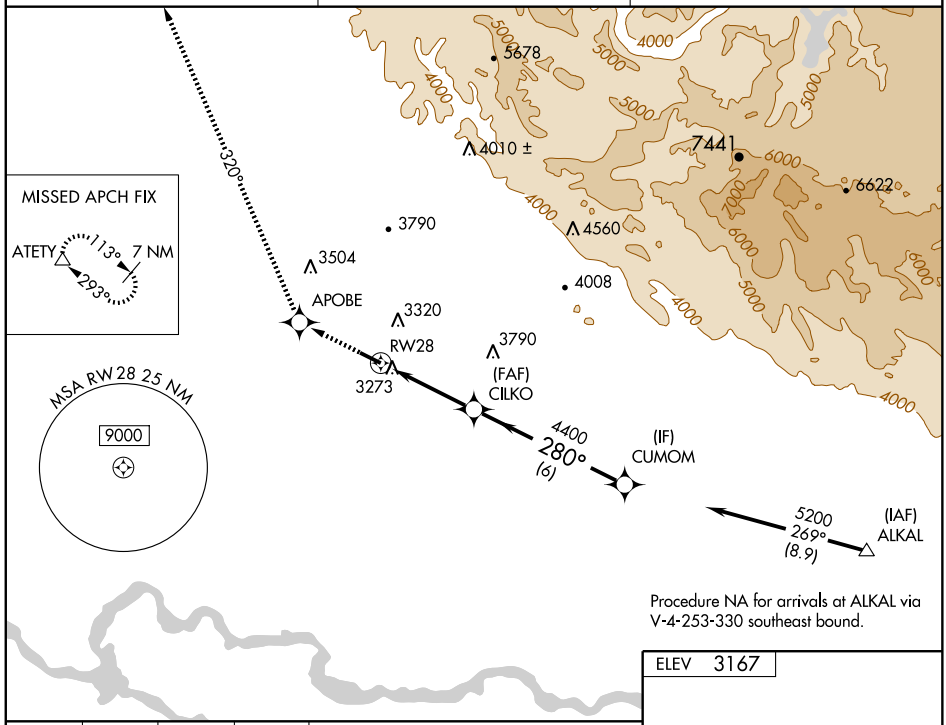
RNAV (GPS) RWY 28
MOUNTAIN HOME MUNI (U76)

WAAS CH 42815 W28A	APP CRS 280°	Rwy ldg 5000 TDZE 3165 Apt Elev 3167

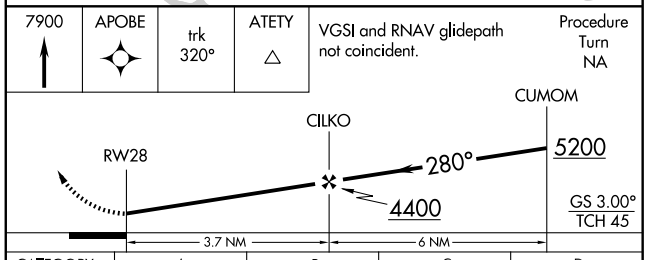
Circling to Rwy 10 NA at night. Baro-VNAV NA. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Mountain Home AFB altimeter setting, when not received procedure NA.

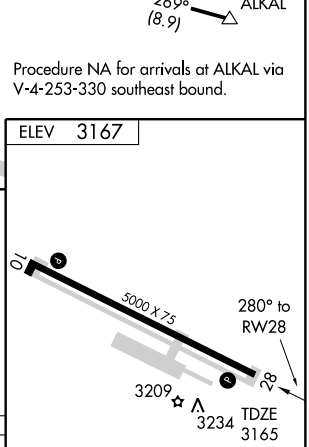
MISSED APPROACH: Climb to 7900 direct APOBE and via track 320° to ATETY and hold, continue climb-in-hold to 7900.

AWOS-3	MOUNTAIN HOME APP CON *	UNICOM
122.8	124.8 259.1	122.8 (CTAF) L



Procedure NA for arrivals at ALKAL via V-4-253-330 southeast bound.





CATEGORY	A	B	C	D
LPV DA	3458-1 293 (300-1)			
LNAV/VNAV DA	3566-1½ 401 (400-1½)			
LNAV MDA	3580-1 415 (500-1)		3580-1¼ 415 (500-1¼)	
CIRCLING	3700-1 533 (600-1)	3720-1 553 (600-1)	3820-1¾ 653 (700-1¾)	3840-2¼ 673 (700-2¼)

REIL Rwys 10 and 28 L
MIRL Rwy 10-28 L

NW-1, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	N/A
290°	TDZE	N/A
	Apt Elev	2537

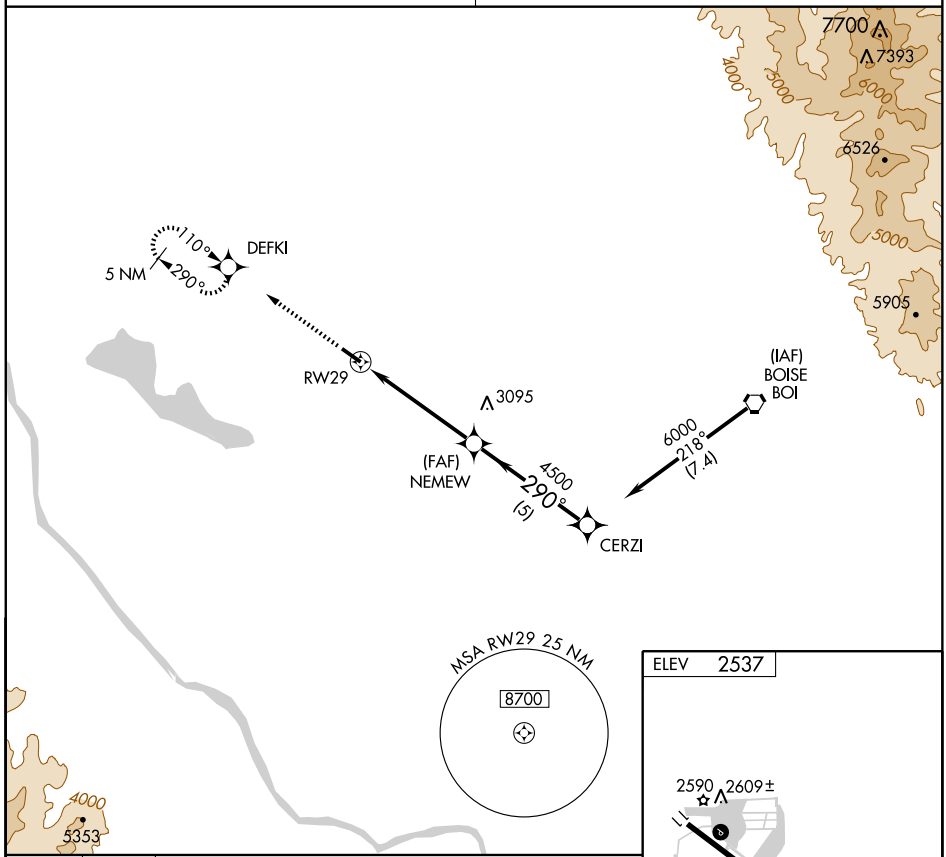
GPS-B
NAMPA MUNI (S67)

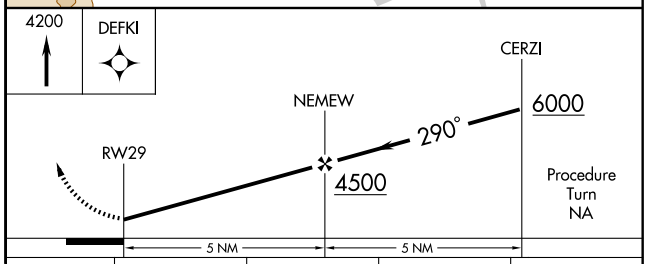
NA

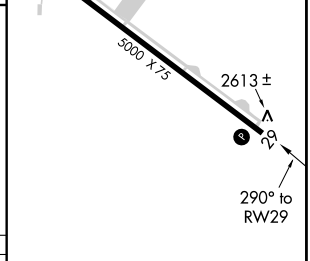
Use Caldwell altimeter setting.

MISSED APPROACH: Climb to 4200 direct DEFKI WP and hold.

BOISE APP CON	UNICOM
119.6 269.4	122.7 (CTAF)







MIRL Rwy 11-29

CATEGORY	A	B	C	D
CIRCLING	3040-1	503 (600-1)	3040-1½ 503 (600-1½)	3100-2 563 (600-2)

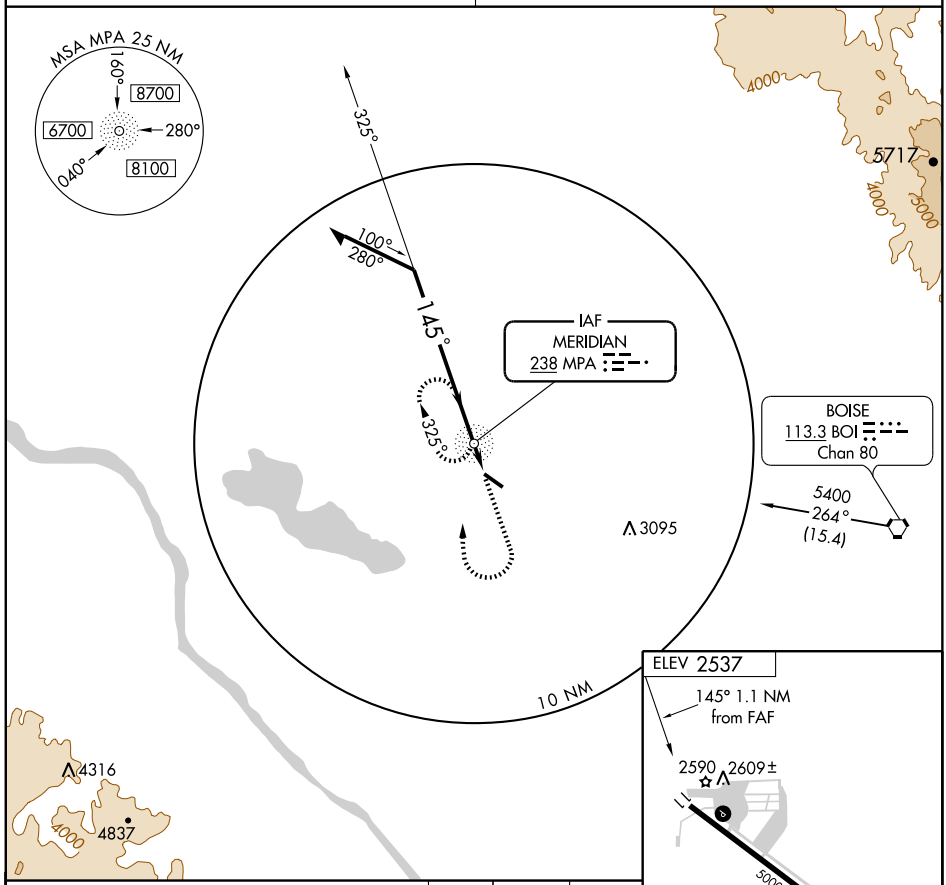
NDB MPA	APP CRS	Rwy ldg	N/A
238	145°	TDZE	N/A
		Apt Elev	2537

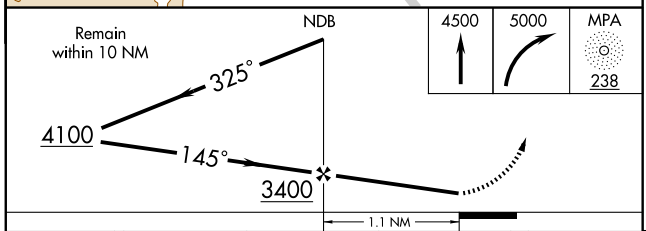
NDB-A
NAMPA MUNI (S67)

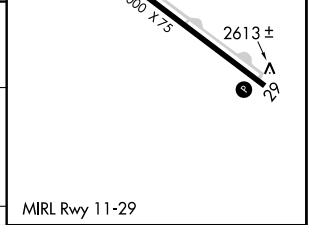
Use Caldwell altimeter setting; if not received use Boise altimeter setting and increase all MDAs 80 feet.

MISSED APPROACH: Climb to 4500 then climbing righ turn to 5000 direct MPA NDB and hold.

BOISE APP CON	UNICOM
119.6 269.4	122.7 (CTAF) L







CATEGORY	A	B	C	D
CIRCLING	3040-1 503 (600-1)		3040-1½ 503 (600-1½)	3100-2 563 (600-2)

FAF to MAP 1.1 NM

Knots	60	90	120	150	180
Min:Sec	1:06	0:44	0:33	0:26	0:22

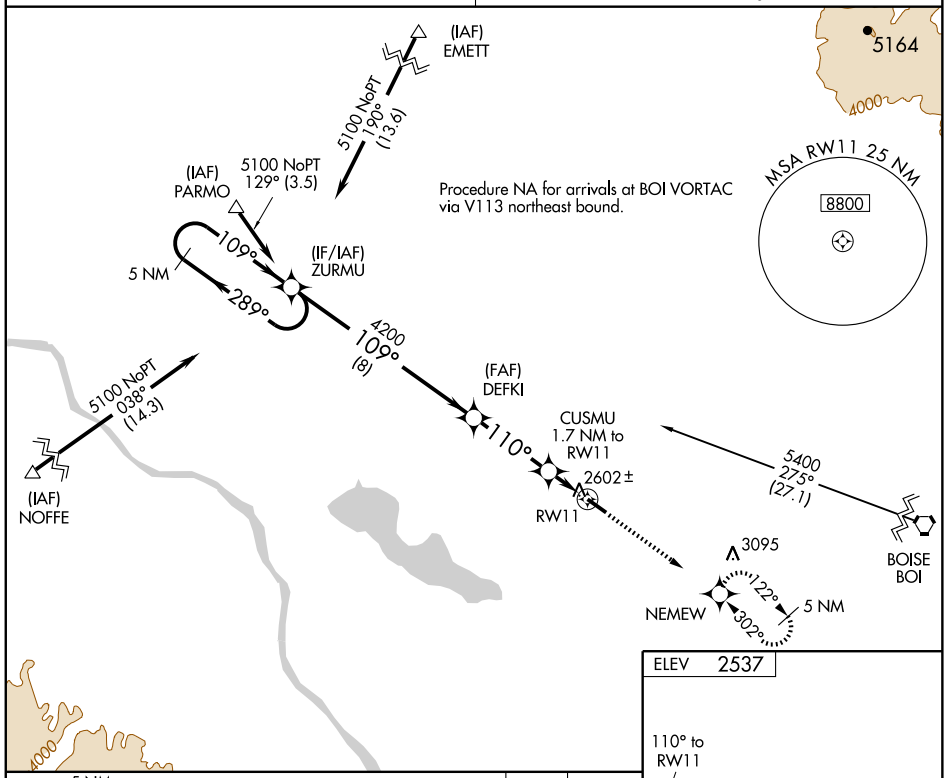
WAAS CH 78202 W11A	APP CRS 110°	Rwy ldg 5000 TDZE 2537 Apt Elev 2537

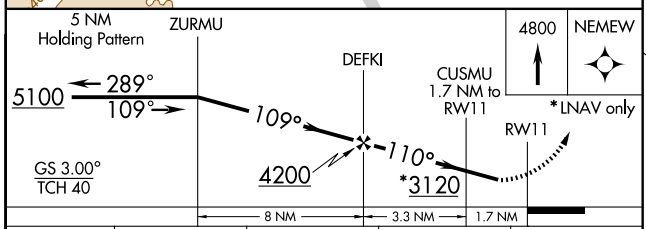
RNAV (GPS) RWY 11
NAMPA MUNI (S67)

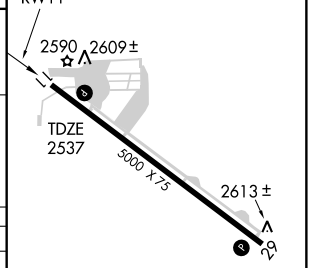
Baro-VNAV NA.
NA Use Caldwell Industrial altimeter setting; if not received, use Boise Air Terminal/Gowen Fld altimeter setting and increase all DAs/MDAs 60 feet. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 4800 direct NEMEW and hold, continue climb-in-hold to 4800.

BOISE APP CON	UNICOM
119.6 269.4	122.7 (CTAF) L





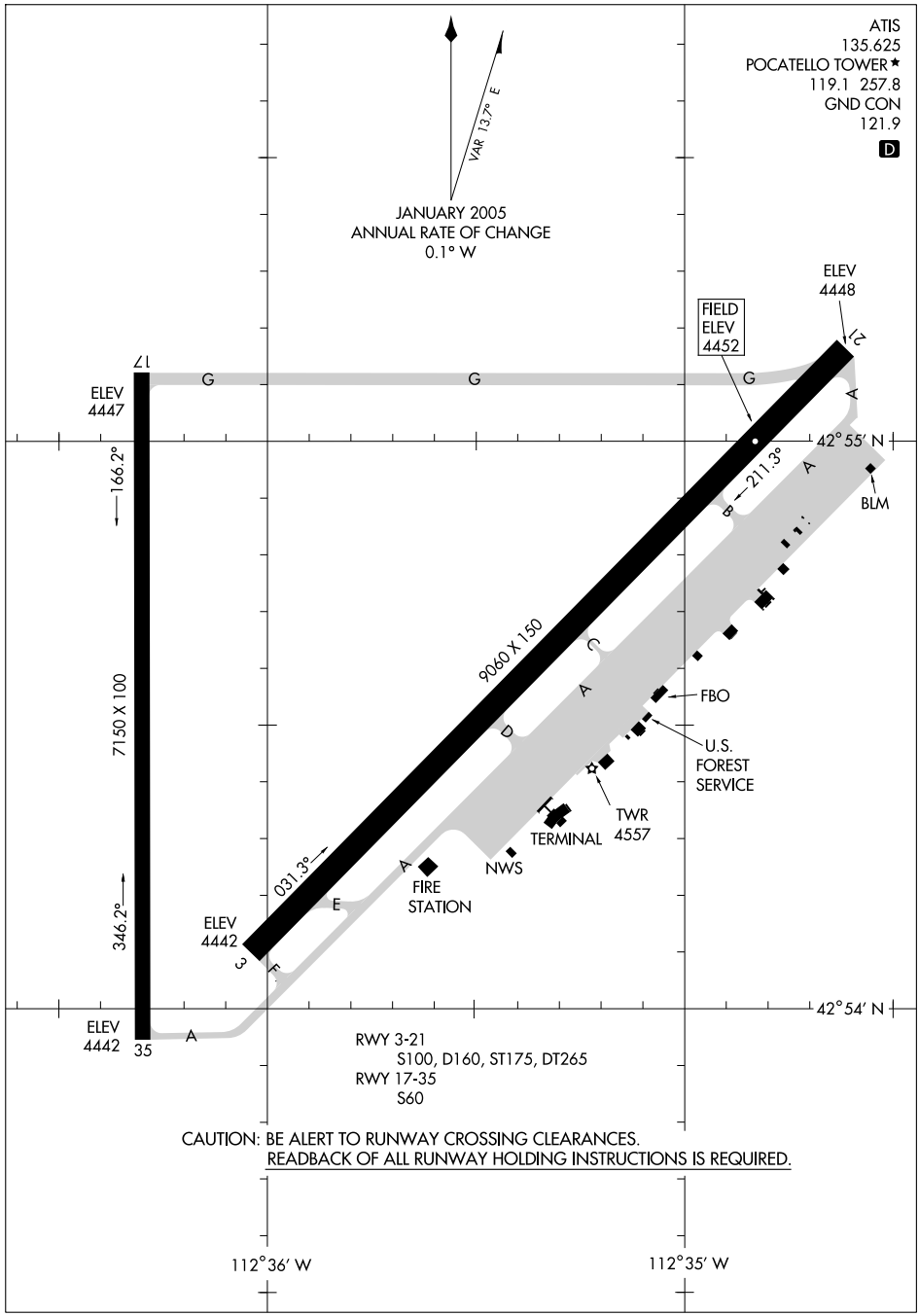


CATEGORY	A	B	C	D
LPV DA	2844-1 307 (400-1)			
LNAV/VNAV DA	2881-1¼ 344 (400-1¼)			
LNAV MDA	2900-1 363 (400-1)			2900-1¼ 363 (400-1¼)
CIRCLING	3040-1 503 (600-1)		3040-1½ 503 (600-1½)	3100-2 563 (600-2)

MIRL Rwy 11-29

AIRPORT DIAGRAM

POCATELLO RGNL (PIH)
POCATELLO, IDAHO



ILS or LOC RWY 21
POCATELLO RGNL (PIH)

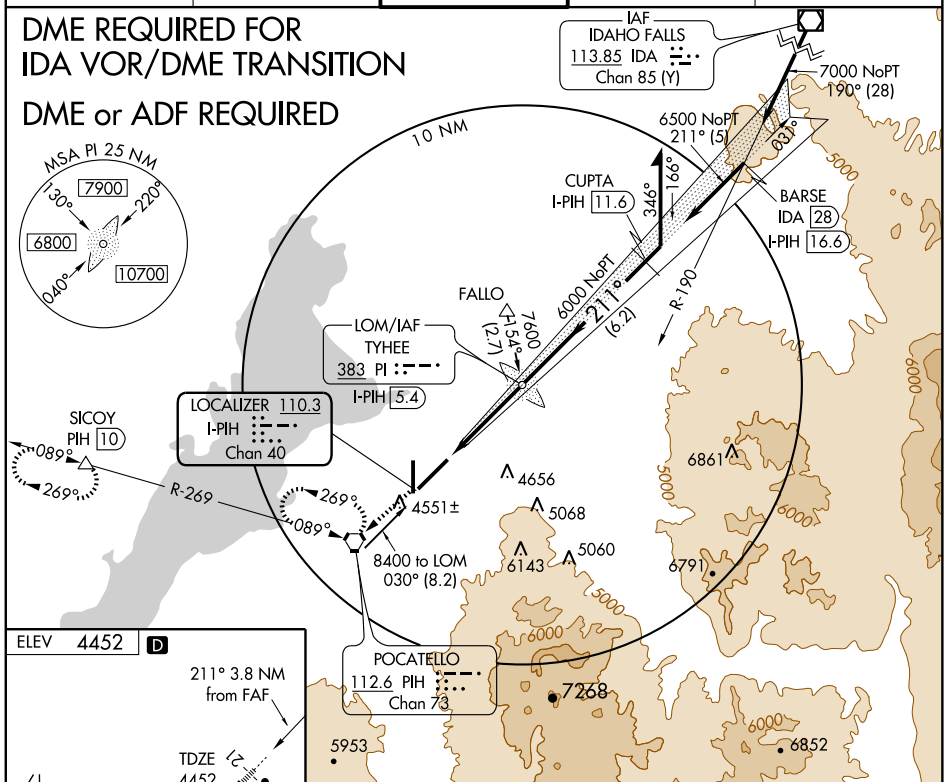
LOC/DME I-PIH	APP CRS	Rwy ldg	9060
110.3	211°	TDZE	4452
Chan 40		Apt Elev	4452

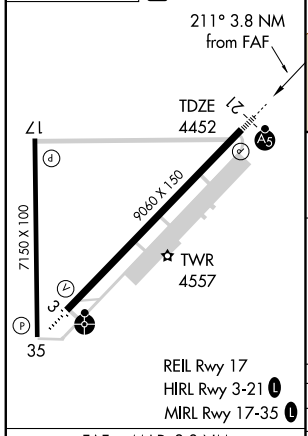
Circling NA southeast of Rwy 3-21.
For inoperative MALSR, increase S-ILS-21 Cat E visibility to RVR 4000, and S-LOC-21 Cat E visibility to RVR 5000. ** Visibility CAT A/B/C/D, RVR 1800 authorized with the use of FD or AP or HUD to DA.

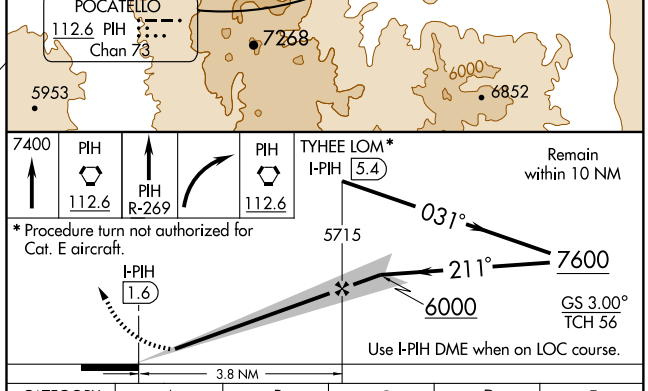
MALSR

MISSED APPROACH: Climb to 7400 direct PIH VORTAC, continue climb via PIH VORTAC R-269, then right turn direct PIH VORTAC and hold (TACAN aircraft continue via PIH VORTAC R-269 to SICOY/ PIH 10 DME and hold W, right turns, 089° inbound).

ATIS	SALT LAKE CENTER	POCATELLO TOWER*	GND CON	UNICOM
135.625	128.35 239.25	119.1 (CTAF) L 257.8	121.9	122.95







* Procedure turn not authorized for Cat. E aircraft.

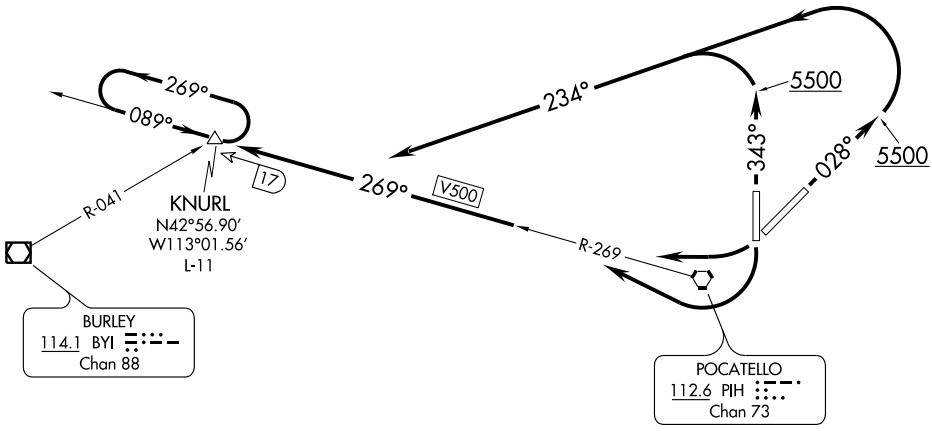
FAF to MAP 3.8 NM					
Knots	60	90	120	150	180
Min:Sec	3:48	2:32	1:54	1:31	1:16

CATEGORY	A	B	C	D	E
S-ILS 21	** 4652/24 200 (200-½)				
S-LOC 21	4740/24 288 (300-½)			4740/40 288 (300-¾)	
CIRCLING	4820-1 368 (400-1)	4920-1 468 (500-1)	4920-1½ 468 (500-1½)	5020-2 568 (600-2)	

NW-1, 14 JAN 2010 to 11 FEB 2010

KNURL ONE DEPARTURE (OBSTACLE)

BOISE RADIO
122.6
POCATELLO TOWER ★
119.1 (CTAF) 257.8
SALT LAKE CENTER
128.35 239.25



TAKE-OFF MINIMUMS

Rwy 3, 21, 35: Standard.
Rwy 17, 400-2 or standard with minimum climb of 270′ per NM to 4900.

TAKE-OFF OBSTACLE NOTES

Rwy 3, Trees beginning 3353′ from DER, 735′ left of centerline, up to 100′ AGL/4549′ MSL.
Rod on obstruction light 978′ from DER, 759′ right of centerline, 39′ AGL/4486′ MSL.
Rwy 17, Transmission tower 1.1 NM from DER, 2395′ left of centerline, 252′ AGL/4693′ MSL.
Trees beginning 1.6 NM from DER, 2642′ left of centerline, up to 100′ AGL/4759′ MSL.
Fence 112′ from DER, 416′ right of centerline, 12′ AGL/4453′ MSL.
Bush 30′ from DER, 261′ right of centerline, 3′ AGL/4445′ MSL.
Fence 208′ from DER, 421′ right of centerline, 13′ AGL/4449′ MSL.
Rwy 21, Antenna 453′ from DER, 309′ left of centerline, 20′ AGL/4466′ MSL.
Light on localizer, 543′ from DER, 286′ left of centerline, 20′ AGL/4462′ MSL.
Rwy 35, Electrical equipment 197′ from DER, 248′ left of centerline, 7′ AGL/4454′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 3: Climb heading 028° to 5500, then climbing left turn to 7500 via heading 234° and PIH R-269 to KNURL INT, thence . . . .
TAKE-OFF RUNWAY 35: Climb heading 343° to 5500, then climbing left turn to 7500 via heading 234° and PIH R-269 to KNURL INT, thence . . . .
TAKE-OFF RUNWAY 17: Climbing right turn to 7500 via PIH R-269 to KNURL INT, thence . . . .
TAKE-OFF RUNWAY 21: Climbing right turn to 7500 via PIH R-269 to KNURL INT, thence . . . .

. . . . via assigned route expect filed altitude 10 minutes after departure.

NW-1. 14 JAN 2010 to 11 FEB 2010

WAAS CH 97502 W03A	APP CRS 031°	Rwy ldg 9060 TDZE 4444 Apt Elev 4452

RNAV (GPS) RWY 3
POCATELLO RGNL (PIH)

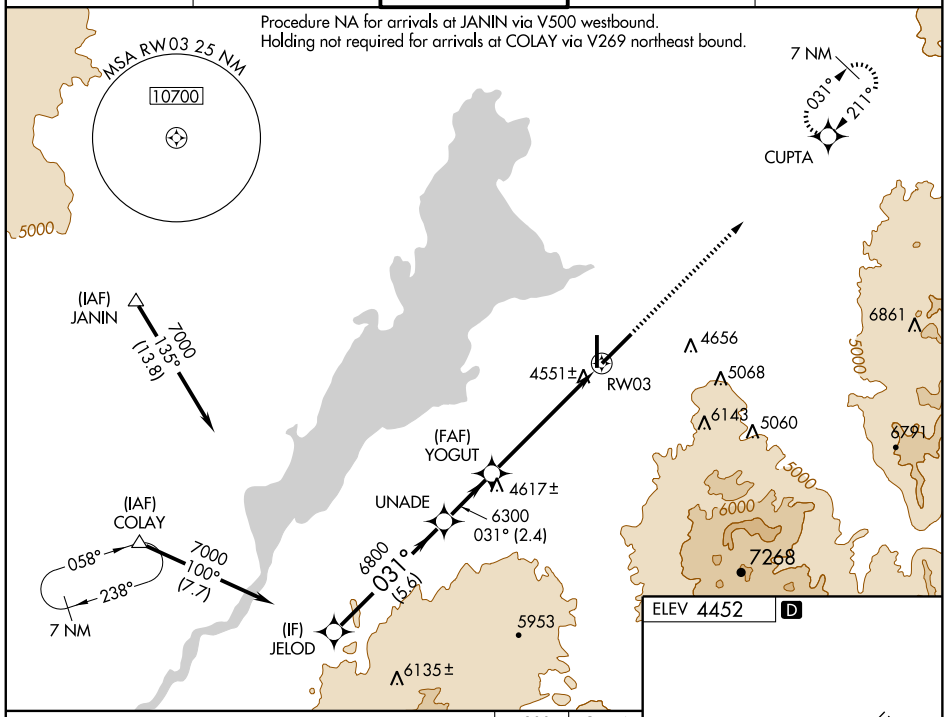
Inoperative table does not apply.
DME/DME RNP- 0.3 NA.
Circling NA southeast of Rwy 3-21.
Visibility reduction by helicopters NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C (9°F) or above 40°C (104°F). If local altimeter setting not received, use Idaho Falls Rgnl altimeter setting and increase all DAs/MDAs 140 feet.
Baro-VNAV NA when using Idaho Falls Rgnl altimeter setting.

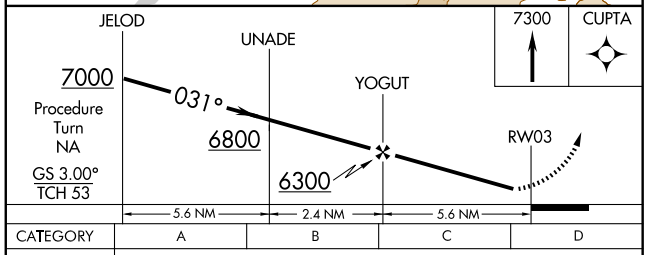
ODALS

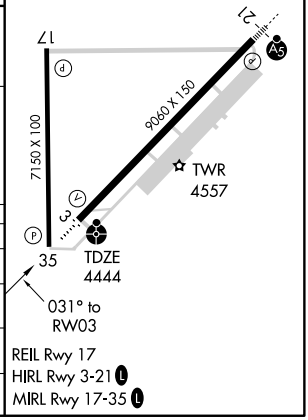
MISSED APPROACH: Climb to 7300 direct CUPTA and hold.

ATIS	SALT LAKE CENTER	POCATELLO TOWER★	GND CON	UNICOM
135.625	128.35 239.25	119.1 (CTAF) L 257.8	121.9	122.95

Procedure NA for arrivals at JANIN via V500 westbound.
Holding not required for arrivals at COLAY via V269 northeast bound.







CATEGORY	A	B	C	D
LPV DA	4694-1 250 (300-1)			
LNAV/VNAV DA	4978-1¾ 534 (600-1¾)			
LNAV MDA	4880-1 436 (500-1)		4880-1¼ 436 (500-1¼)	4880-1½ 436 (500-1½)
CIRCLING	4980-1 528 (600-1)		4980-1½ 528 (600-1½)	5020-2 568 (600-2)

NW-1, 14 JAN 2010 to 11 FEB 2010

WAAS CH 78212 W21A	APP CRS 211°	Rwy ldg 9060 TDZE 4452 Apt Elev 4452

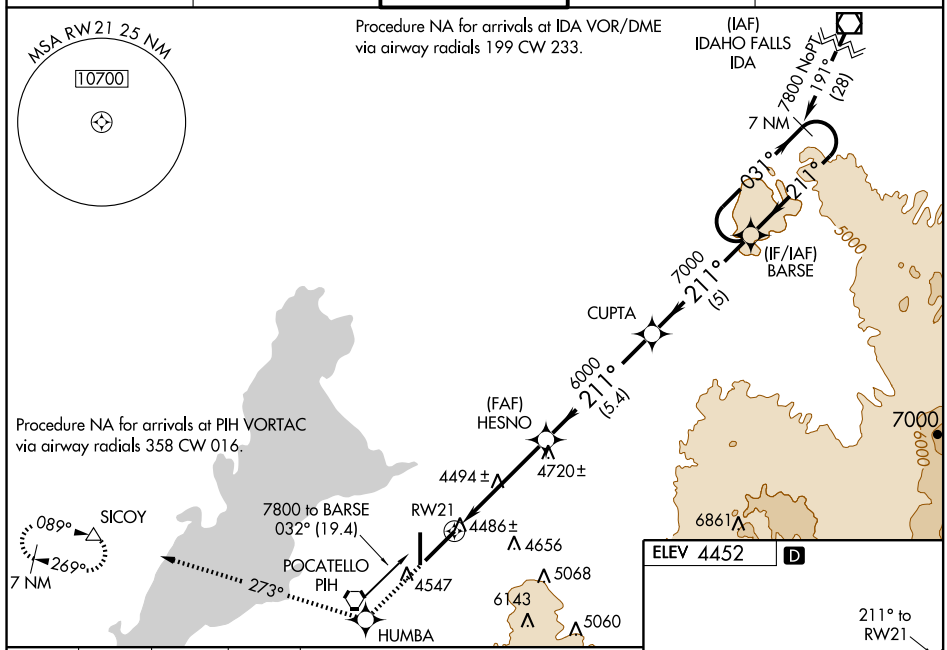
RNAV (GPS) RWY 21
POCATELLO RGNL (PIH)

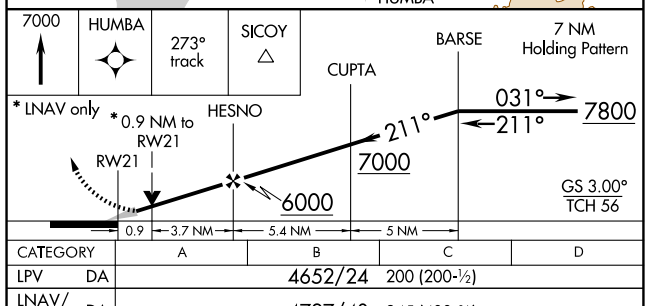
Inoperative table does not apply to LNAV Cat D. For inoperative MALSR when using Idaho Falls altimeter setting, increase LPV all Cats visibility to 1¼ mile.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C (-9°F) or above 39°C (102°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Idaho Falls altimeter setting and increase all DA and MDA 140 feet; increase LPV all Cats, LNAV Cat C, and Circling Cat C and D visibility ¼ mile, increase LNAV/VNAV all Cats visibility ½ mile.
Baro-VNAV and VDP NA when using Idaho Falls altimeter setting.
Circling NA southeast of Rwy 3-21. Circling NA at night to Rwy 17-35.

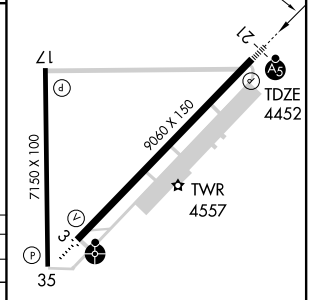
MALSR

MISSED APPROACH: Climb to 7000 direct HUMBA and via 273° track to SICOY and hold.

ATIS	SALT LAKE CENTER	POCATELLO TOWER*	GND CON	UNICOM
135.625	128.35 239.25	119.1 (CTAF) L 257.8	121.9	122.95







CATEGORY	A	B	C	D
LPV DA	4652/24 200 (200-½)			
LNAV/VNAV DA	4797/40 345 (400-¾)			
LNAV MDA	4780/24 328 (400-½)			4780/50 328 (400-1)
CIRCLING	4820-1 368 (400-1)	4920-1 468 (500-1)	4920-1½ 468 (500-1½)	5020-2 568 (600-2)

REIL Rwy 17
HIRL Rwy 3-21 L
MIRL Rwy 17-35 L

NW-1, 14 JAN 2010 to 11 FEB 2010

VORTAC PIH	APP CRS	Rwy ldg	9060
112.6	211°	TDZE	4452
Chan 73		Apt Elev	4452

VOR/DME or TACAN RWY 21

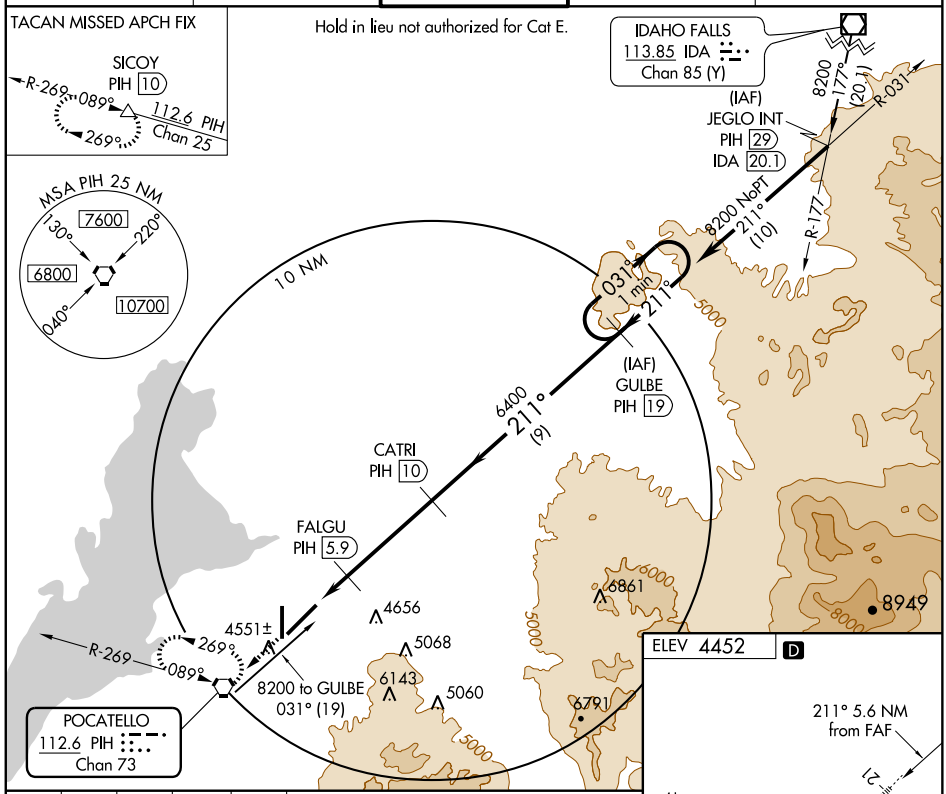
POCATELLO RGNL (PIH)

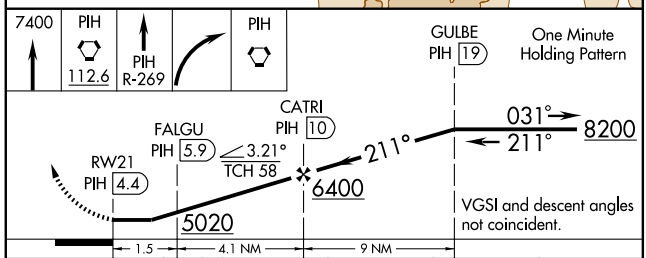
Circling NA Southeast of Rwy 3-21.
For inoperative MALSR increase S-21 Cat. D and E visibility to 1¼.

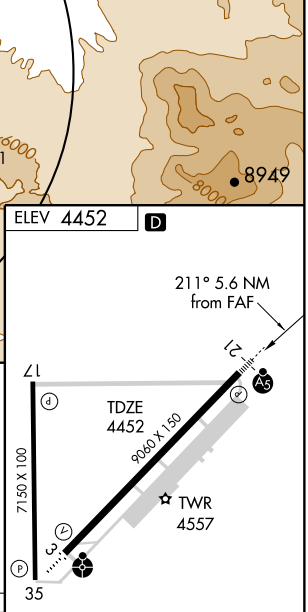
MALSR

MISSED APPROACH: Climb to 7400 direct PIH VORTAC, continue climb via PIH VORTAC R-269, then right turn direct PIH VORTAC and hold (TACAN aircraft continue via PIH VORTAC R-269 to SICOY/PIH 10 DME and hold W, right turns, 089° inbound).

ATIS	SALT LAKE CENTER	POCATELLO TOWER★	GND CON	UNICOM
135.625	128.35 239.25	119.1 (CTAF) L 257.8	121.9	122.95







CATEGORY	A	B	C	D	E
S-21	4840/24 388 (400-½)			4840/50 388 (400-1)	
CIRCLING	4840-1 388 (400-1)	4920-1 468 (500-1)	4920-1½ 468 (500-1½)	5020-2 568 (600-2)	

REIL Rwy 17
HIRL Rwy 3-21 L
MIRL Rwy 17-35 L

NW-1, 14 JAN 2010 to 11 FEB 2010

VORTAC PIH 112.6 Chan 73	APP CRS 033°	Rwy ldg 9060 TDZE 4444 Apt Elev 4452

VOR or TACAN RWY 3

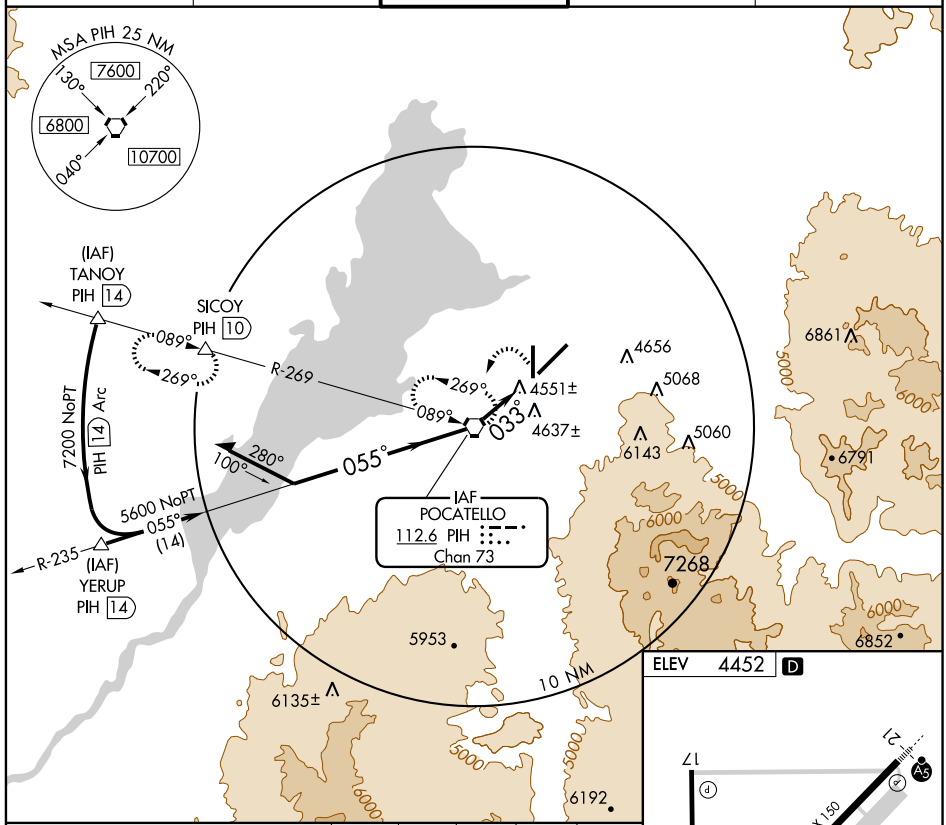
POCATELLO RGNL (PIH)

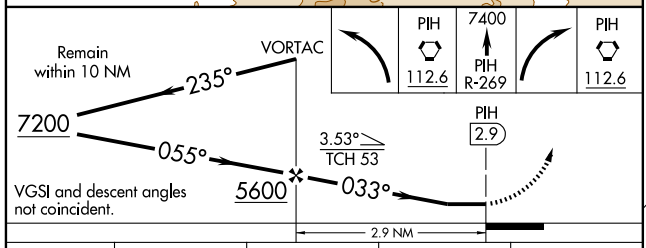
Circling not authorized Southeast of Rwy 3-21. Inoperative table does not apply.

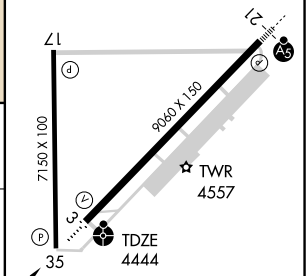
ODALS

MISSED APPROACH: Climbing left turn direct PIH VORTAC, continue to 7400 via PIH VORTAC R-269, then right turn direct PIH VORTAC and hold (TACAN aircraft continue via R-269 to SICOY/PIH 10 DME and hold W, right turns, 089° inbound).

ATIS	SALT LAKE CENTER	POCATELLO TOWER★	GND CON	UNICOM
135.625	128.35 239.25	119.1 (CTAF) L 257.8	121.9	122.95







REIL Rwy 17
HIRL Rwy 3-21 L
MIRL Rwy 17-35 L

CATEGORY	A	B	C	D
S-3	4940-1 496 (500-1)			NA
CIRCLING	4940-1 488 (500-1)		4940-1½ 488 (500-1½)	NA

FAF to MAP 2.9 NM

Knots	60	90	120	150	180
Min:Sec	2:54	1:56	1:27	1:10	0:58

NW-1, 14 JAN 2010 to 11 FEB 2010

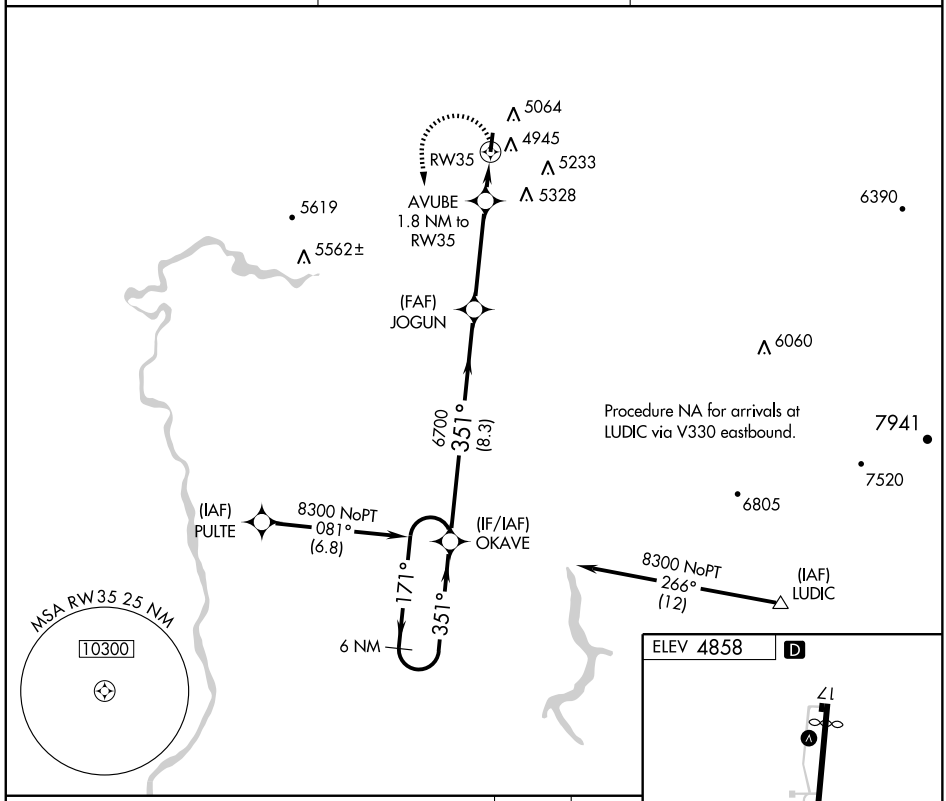
APP CRS	Rwy ldg	3900
351°	TDZE	4858
	Apt Elev	4858

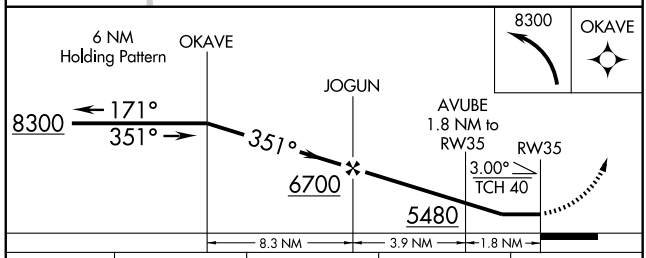
RNAV (GPS) RWY 35
REXBURG-MADISON COUNTY (RXE)

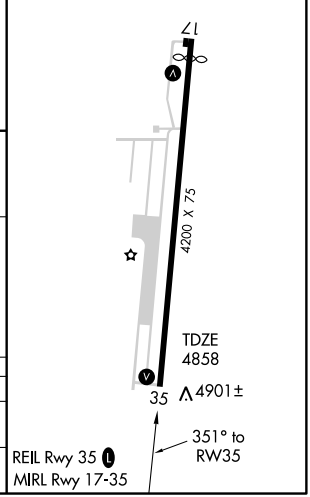
If local altimeter setting not received, use Idaho Falls Rgnl altimeter setting and increase all MDAs 80 feet. When VGSI inoperative, procedure NA at night. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing left turn to 8300 direct OKAVE and hold.

ASOS	SALT LAKE CENTER	UNICOM
135.075	128.35 239.25	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	5260-1 402 (500-1)		5260-1¼ 402 (500-1¼)	
CIRCLING	5380-1 522 (600-1)	5580-1 722 (800-1)	5580-2 722 (800-2)	5620-2½ 762 (800-2½)

NW-1, 14 JAN 2010 to 11 FEB 2010

VOR/DME IDA	APP CRS	Rwy ldg	3900
113.85	016°	TDZE	4858
Chan 85 (Y)		Apt Elev	4858

VOR RWY 35

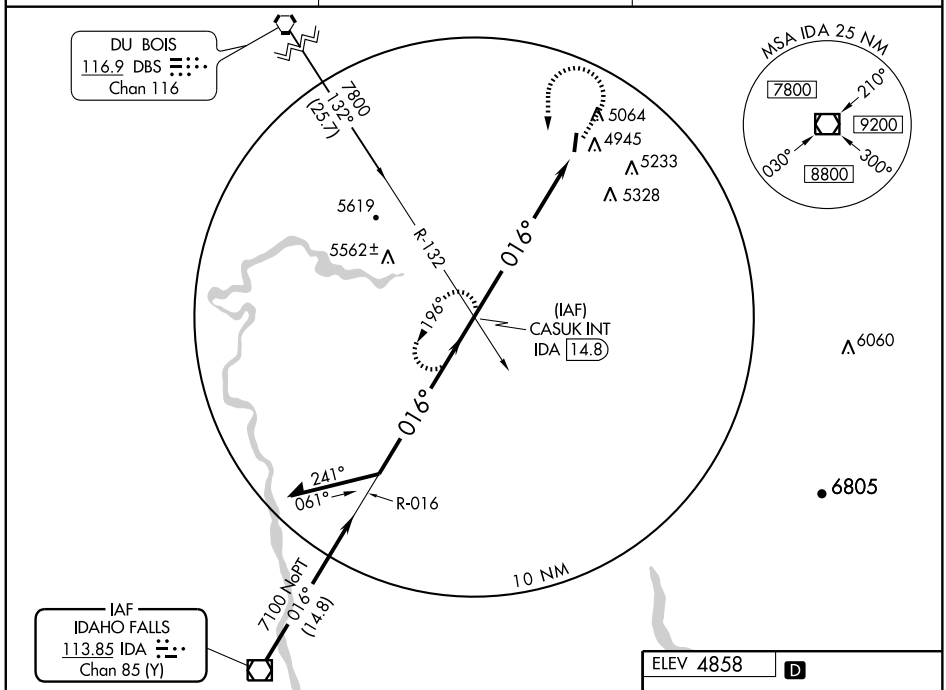
REXBURG-MADISON COUNTY (RXE)

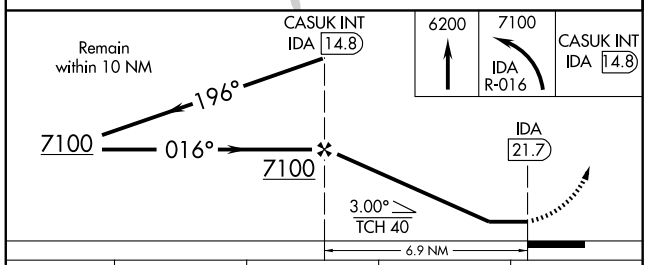
T NA

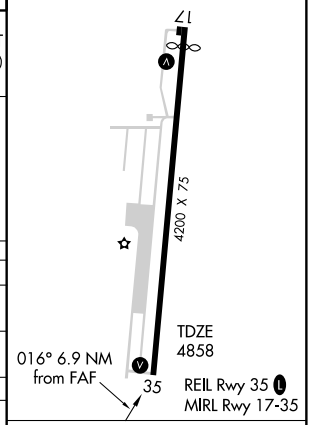
If local altimeter setting not received, use Idaho Falls Rgnl altimeter setting minima.

MISSED APPROACH: Climb to 6200 then climbing left turn to 7100 via IDA R-016 to CASUK Int/IDA 14.8 DME and hold.

ASOS	SALT LAKE CENTER	UNICOM
135.075	128.35 239.25	122.8 (CTAF) L





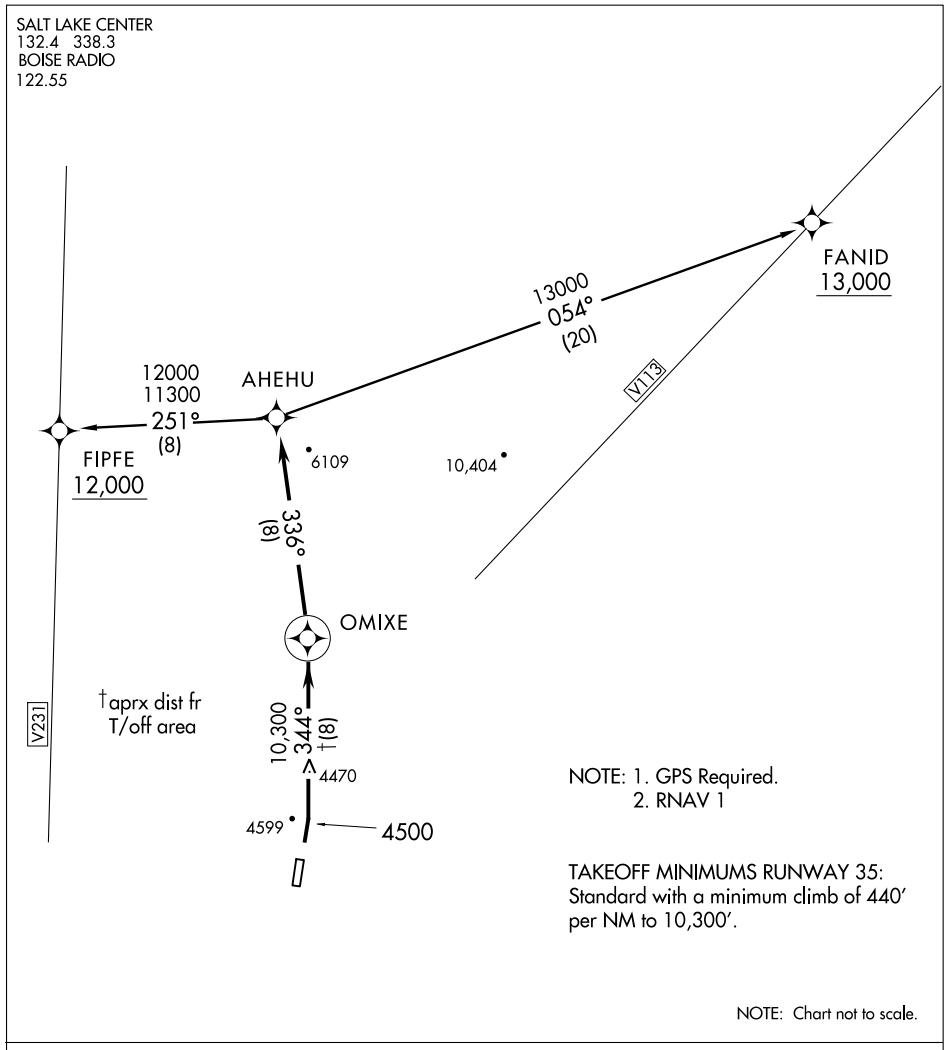


CATEGORY	A	B	C	D
S-35	5640-1 782 (800-1)	5640-1¼ 782 (800-1¼)	5640-2¼ 782 (800-2¼)	5640-2½ 782 (800-2½)
CIRCLING	5640-1 782 (800-1)	5640-1¼ 782 (800-1¼)	5640-2¼ 782 (800-2¼)	5660-2½ 802 (900-2½)
IDAHO FALLS RGNL ALTIMETER SETTING MINIMUMS				
S-35	5820-1¼ 962 (1000-1¼)	5820-1½ 962 (1000-1½)	5820-3 962 (1000-3)	
CIRCLING	5820-1¼ 962 (1000-1¼)	5820-1½ 962 (1000-1½)	5820-3 962 (1000-3)	

FAF to MAP 6.9 NM					
Knots	60	90	120	150	180
Min:Sec	6:54	4:36	3:27	2:46	2:18

NW-1, 14 JAN 2010 to 11 FEB 2010

AHEHU ONE DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 17: NA.

TAKE-OFF RUNWAY 35: Climb runway heading to 4500′, then climbing left turn to 10,300′ via 344° course to OMIXE WP, then via 336° course to AHEHU WP. Thence ....

FANID TRANSITION (AHEHU1.FANID):

FIPFE TRANSITION (AHEHU1.FIPFE):

APP CRS	Rwy ldg	N/A
164°	TDZE	N/A
	Apt Elev	4043

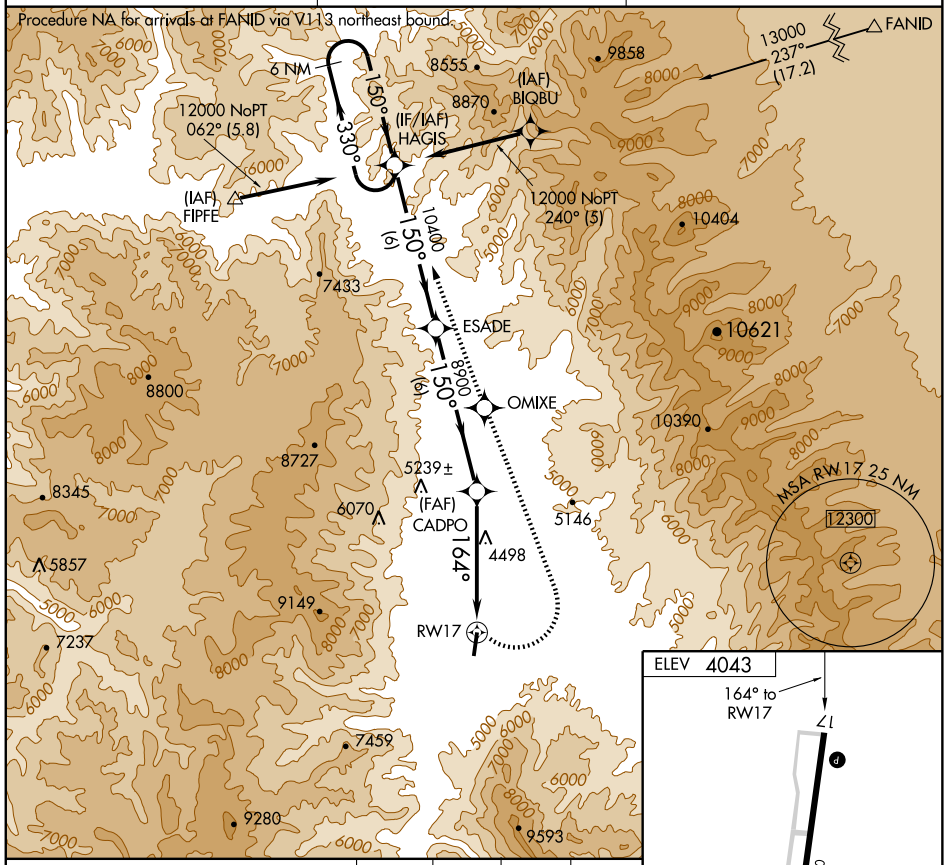
RNAV (GPS) -C
SALMON/LEMHI COUNTY (SMN)

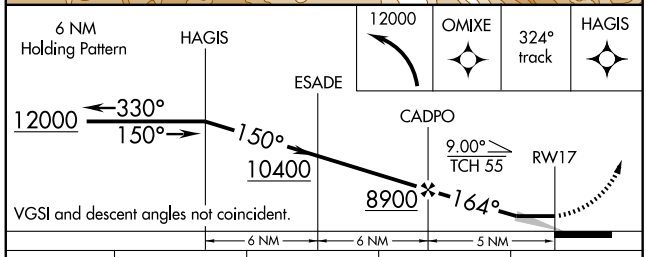
NA

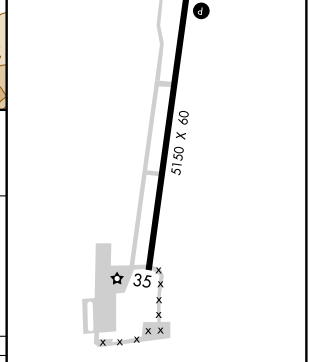
DME/DME RNP -0.3 NA.

MISSED APPROACH: Climbing left turn to 12000 direct OMIXE and via 324° track to HAGIS and hold. Continue climb-in-hold to 12000.

AWOS-3	SALT LAKE CENTER	UNICOM
135.075	132.4 338.3	122.8 (CTAF)







CATEGORY	A	B	C	D
CIRCLING	7400-1¼ 3357 (3400-1¼)	7400-1½ 3357 (3400-1½)	NA	

REIL Rwy 17

MIRL Rwy 17-35

NW-1, 14 JAN 2010 to 11 FEB 2010

VOR/DME LKT 113.5 Chan 82	APP CRS 038°	Rwy ldg N/A TDZE N/A Apt Elev 4043

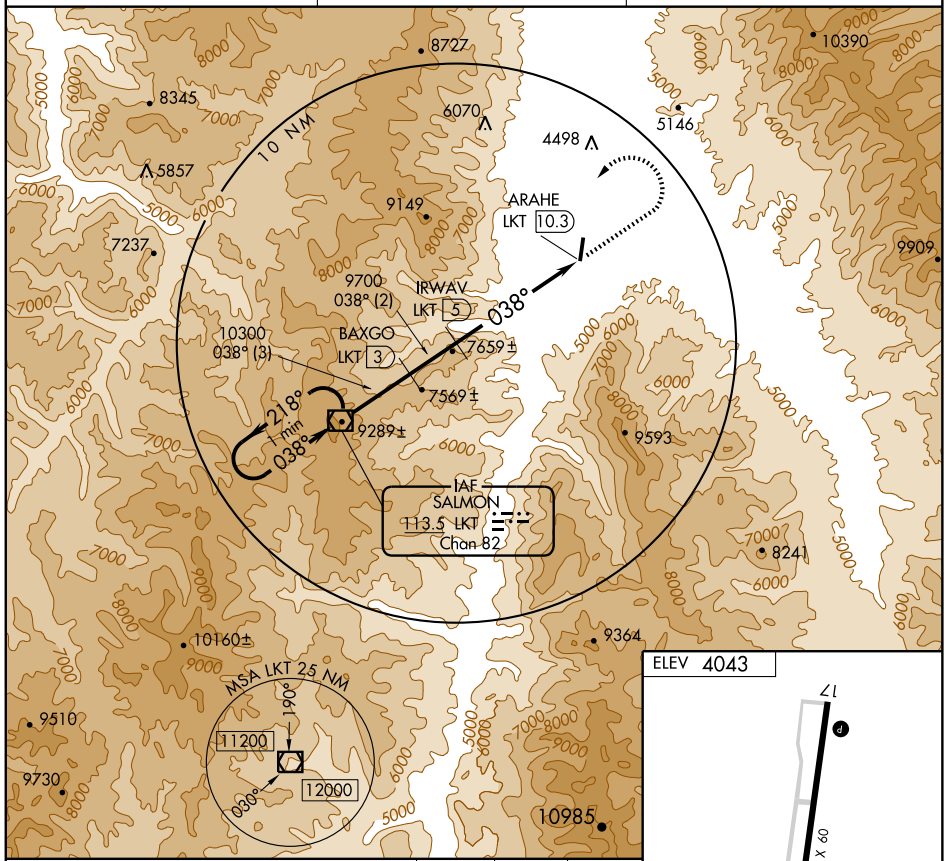
VOR/DME-B

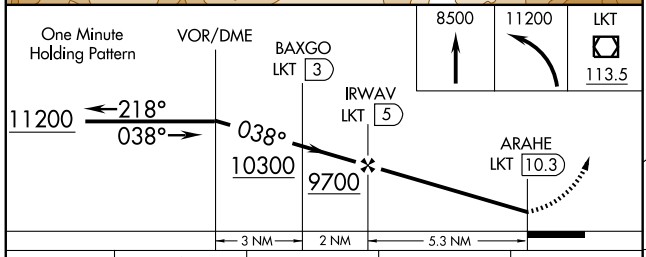
SALMON/LEMHI COUNTY (SMN)

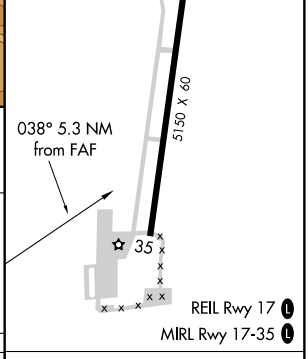
NA

MISSED APPROACH: Climb to 8500 then climbing left turn to 11200 direct LKT VOR/DME and hold.

AWOS-3	SALT LAKE CENTER	UNICOM
135.075	132.4 338.3	122.8 (CTAF)







CATEGORY	A	B	C	D
CIRCLING	8000-1¼ 3957 (4000-1¼)	8000-1½ 3957 (4000-1½)	8000-3 3957 (4000-3)	NA

Knots	60	90	120	150	180
Min:Sec					

NW-1, 14 JAN 2010 to 11 FEB 2010

SANDPOINT, IDAHO

AL-9140 (FAA)

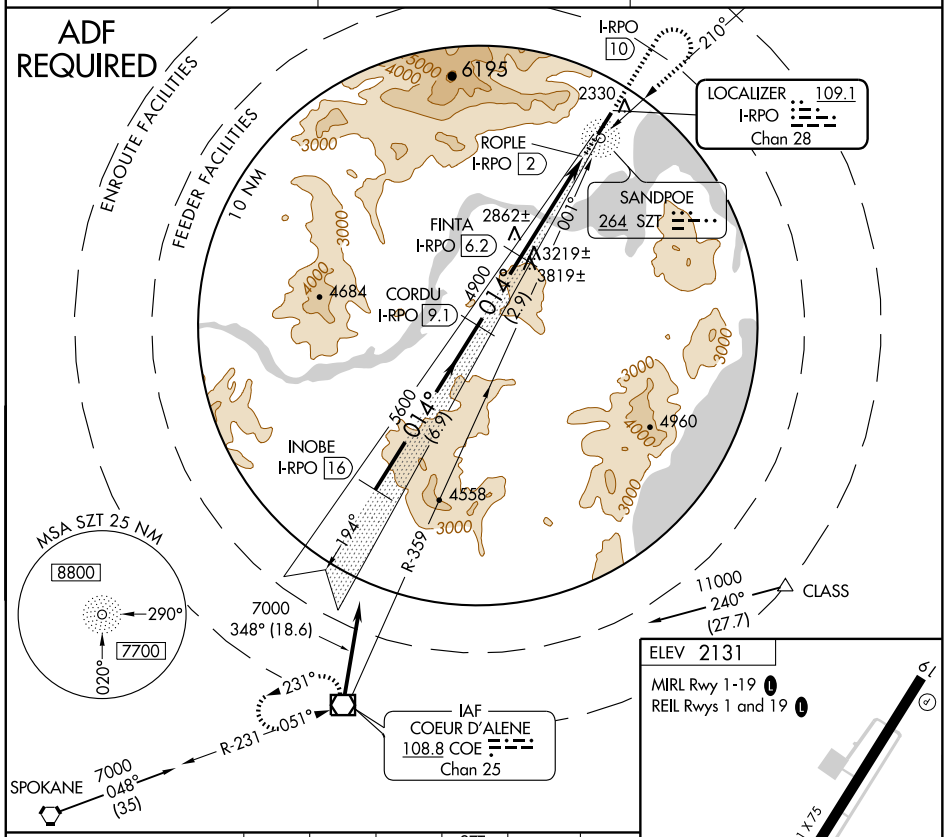
LOC/DME I-RPO	APP CRS	Rwy ldg	N/A
109.1	014°	TDZE	N/A
Chan 28		Apt Elev	2131

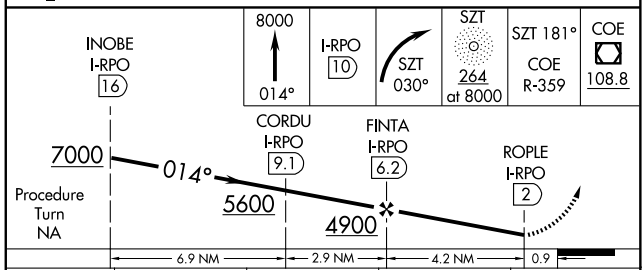
LOC/DME-A
SANDPOINT (SZT)

NA Circling not authorized west of Rwy 1-19.

MISSED APPROACH: Climb to 8000 via heading 014° to I-RPO 10 DME, then climbing right turn via SZT bearing 030° to SZT NDB, cross SZT NDB at 8000, then via SZT bearing 181° and COE R-359 to COE VOR/DME and hold.

AWOS-3	SEATTLE CENTER	UNICOM
135.425	123.95 282.3	122.7 (CTAF) L

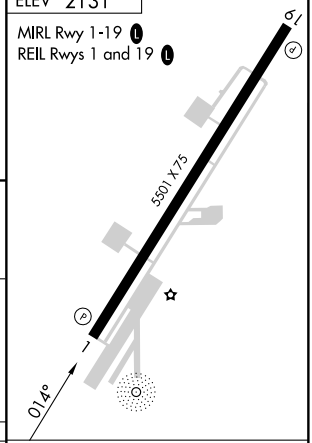




ELEV 2131

MIRL Rwy 1-19 L

REIL Rwys 1 and 19 L



CATEGORY	A	B	C	D
CIRCLING	3120-1¼ 989 (1000-1¼)	3120-1½ 989 (1000-1½)	3120-3 989 (1000-3)	

Knots	60	90	120	150	180
Min:Sec					

NW-1, 14 JAN 2010 to 11 FEB 2010

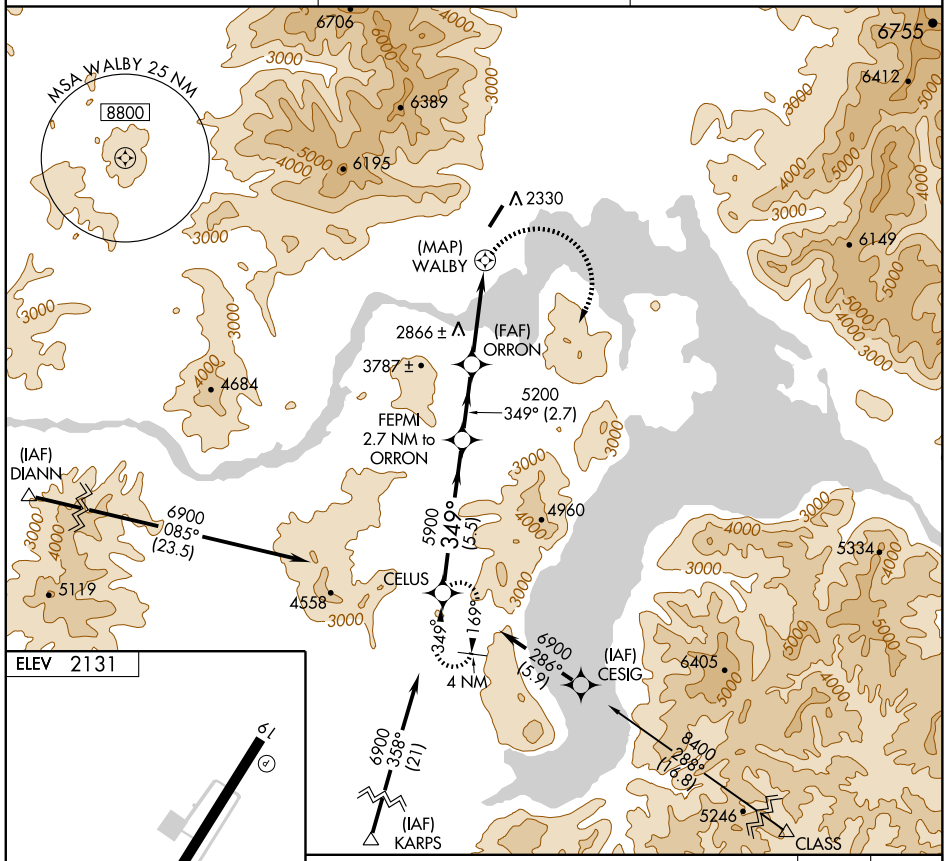
APP CRS	Rwy ldg	N/A
349°	TDZE	N/A
	Apt Elev	2131

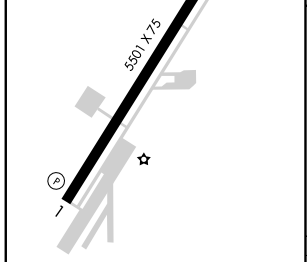
RNAV (GPS)-B
SANDPOINT (SZT)

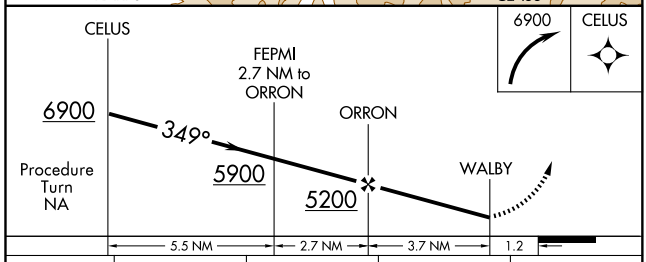
If local altimeter setting not received procedure NA.
Circling NA west of Rwys 1/19.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing right turn to 6900 direct CELUS and hold.

AWOS-3	SEATTLE CENTER	UNICOM
135.425	123.95 282.3	122.7 (CTAF) L







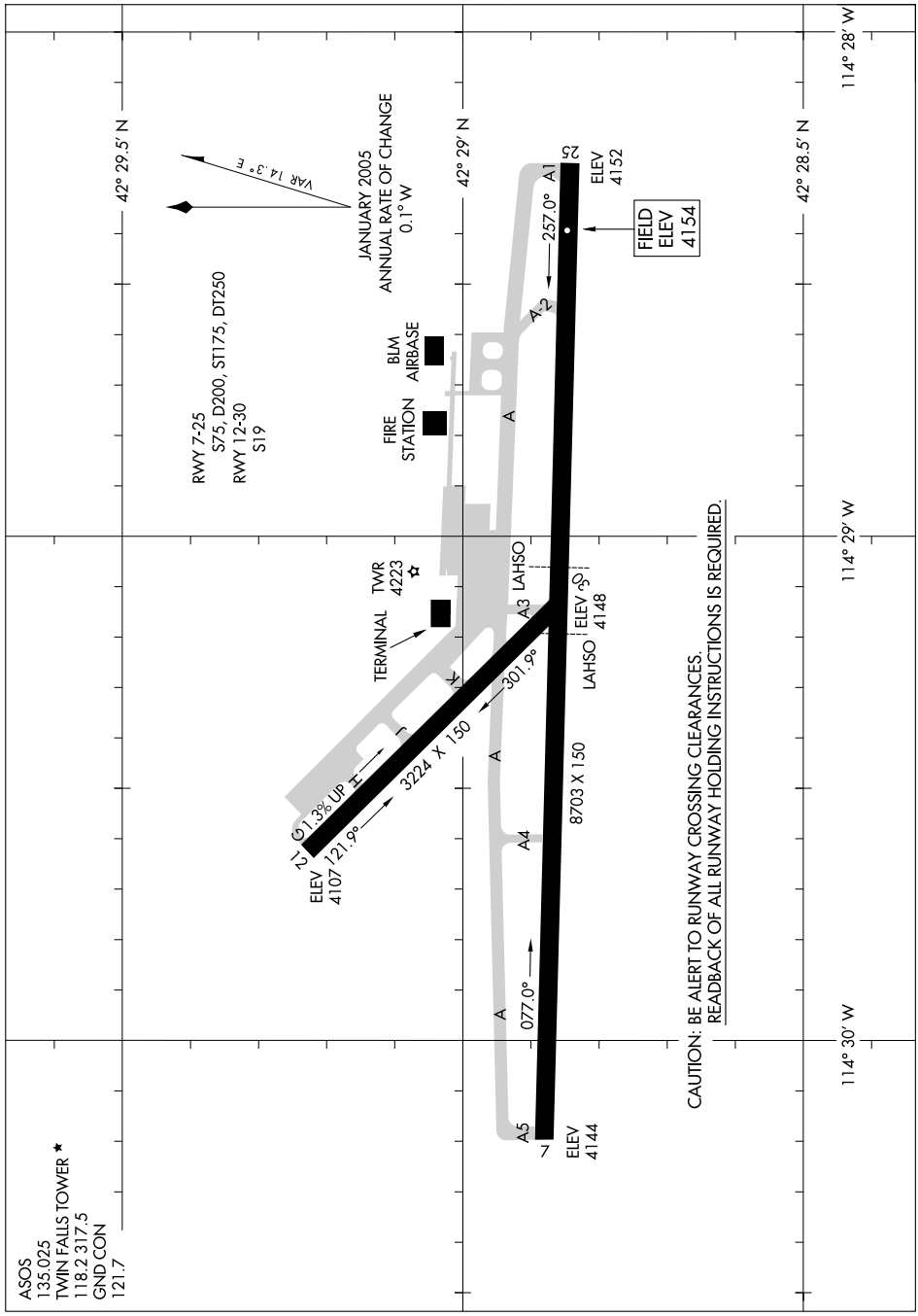
MIRL Rwy 1-19 L
REIL Rwys 1 and 19 L

CATEGORY	A	B	C	D
CIRCLING	3720-1¼ 1589 (1600-1¼)	3720-1½ 1589 (1600-1½)	3720-3 1589 (1600-3)	NA

NW-1, 14 JAN 2010 to 11 FEB 2010

AIRPORT DIAGRAM

TWIN FALLS/JOSLIN FIELD-MAGIC VALLEY RGNL (TWF)
AL-885 (FAA)
TWIN FALLS, IDAHO



LOC I-TWF	APP CRS	Rwy ldg	8703
108.3	255°	TDZE	4154
		Apt Elev	4154

ILS or LOC RWY 25

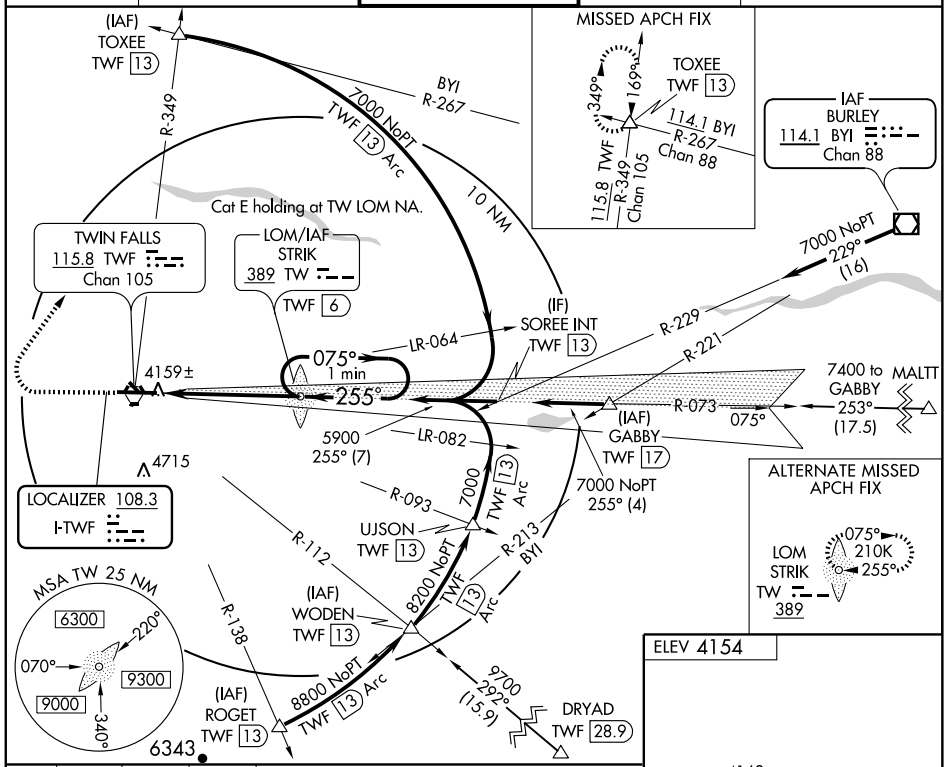
TWIN FALLS/JOSLIN FIELD-MAGIC VALLEY RGNL (TWF)

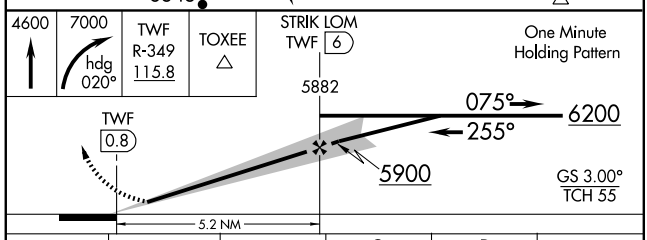
When local altimeter setting not received, use Jerome County altimeter setting and increase all DA 49 feet, and all MDA 60 feet, increase circling Cat C and D visibility ¼ mile. For inoperative MALSR, increase S-ILS 25 Cat E visibility ¼ mile and S-LOC 25 Cat D ¼ mile, Cat E ½ mile. For inoperative MALSR when using Jerome County altimeter setting, increase S-ILS 25 Cat E visibility ¼ mile and S-LOC 25 Cat E visibility ½ mile.

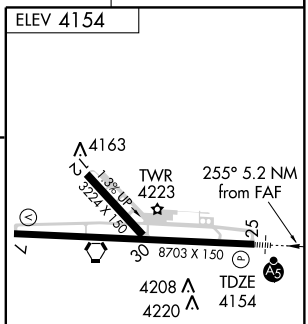
MALSR

MISSED APPROACH: Climb to 4600 then climbing right turn to 7000 via heading 020° and TWF VORTAC R-349 to TOXEE INT/TWF 13 DME and hold.

ASOS	TWIN FALLS APP CON★	TWIN FALLS TOWER★	GND CON	UNICOM
135.025	126.7 353.75	118.2 (CTAF) L 317.5	121.7	122.95







CATEGORY	A	B	C	D	E
S-ILS 25	4354-½ 200 (200-½)				
S-LOC 25	4480-½ 326 (400-½)			4480-¾ 326 (400-¾)	
CIRCLING	4680-1 526 (600-1)		4700-1½ 546 (600-1½)	4780-2 626 (700-2)	5020-3 866 (900-3)

FAF to MAP 5.2 NM

Knots	60	90	120	150	180
Min:Sec	5:12	3:28	2:36	2:05	1:44

NW-1, 14 JAN 2010 to 11 FEB 2010

LOM TW	APP CRS	Rwy ldg	8703
389	255°	TDZE	4154
		Apt Elev	4154

NDB RWY 25

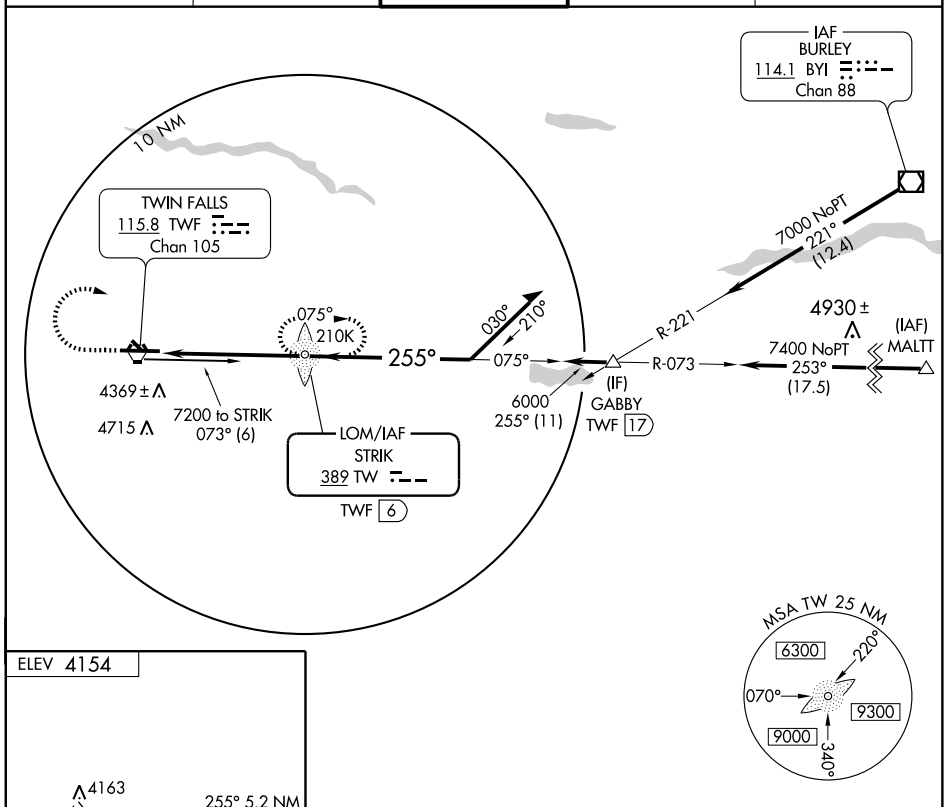
TWIN FALLS/JOSLIN FIELD-MAGIC VALLEY RGNL (TWF)

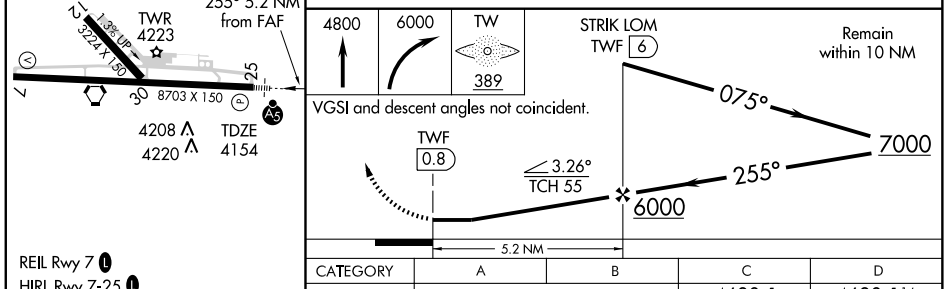
When local altimeter setting not received, use Jerome altimeter setting and increase all MDA 60 feet and Circling Cats C and D visibility ¼ mile.

MALSR

MISSED APPROACH: Climb to 4800 then climbing right turn to 6000 direct STRIK LOM and hold.

ASOS	TWIN FALLS APP CON ★	TWIN FALLS TOWER ★	GND CON	UNICOM
135.025	126.7 353.75	118.2 (CTAF) L 317.5	121.7	122.95





REIL Rwy 7 L

HIRL Rwy 7-25 L

FAF to MAP 5.2 NM					
Knots	60	90	120	150	180
Min:Sec	5:12	3:28	2:36	2:05	1:44

CATEGORY	A	B	C	D
S-25	4680-¾ 526 (600-¾)		4680-1 526 (600-1)	4680-1½ 526 (600-1½)
CIRCLING	4680-1 526 (600-1)	4720-1 566 (600-1)	4740-1½ 586 (600-1½)	4800-2 646 (700-2)

NW-1, 14 JAN 2010 to 11 FEB 2010

WAAS CH 40211 W07A	APP CRS 075°	Rwy ldg 8703 TDZE 4149 Apt Elev 4154

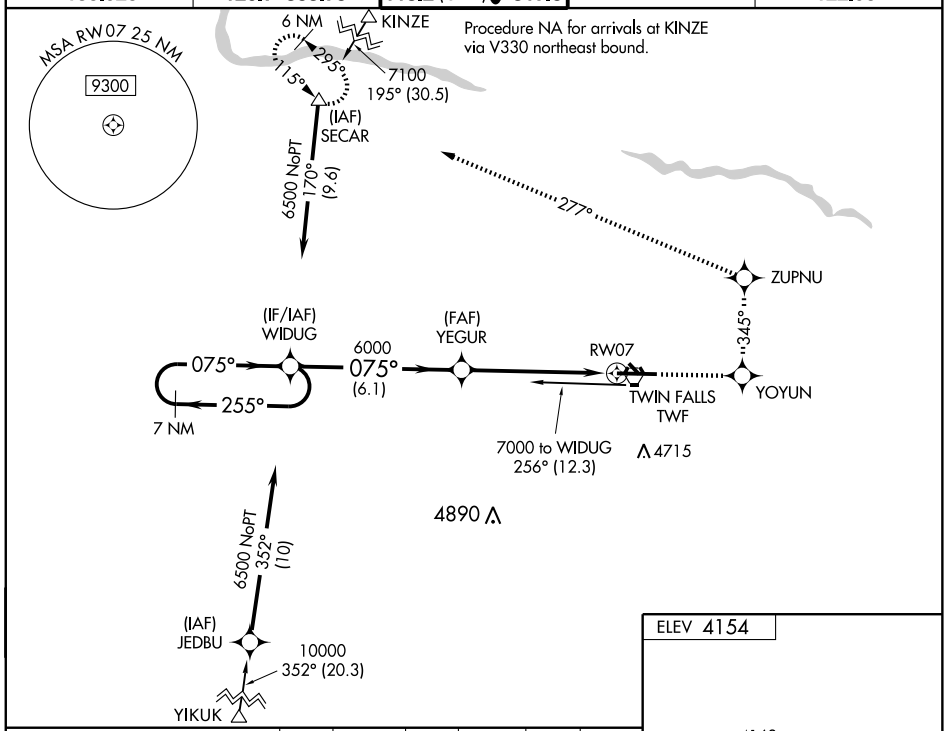
RNAV (GPS) RWY 7

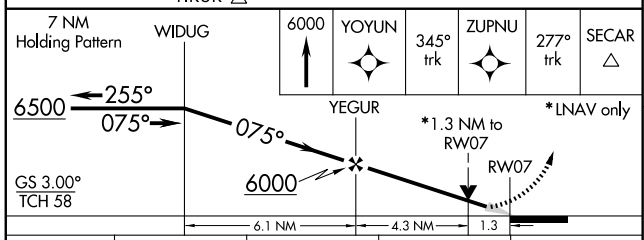
TWIN FALLS/ JOSLIN FIELD-MAGIC VALLEY RGNL (TWF)

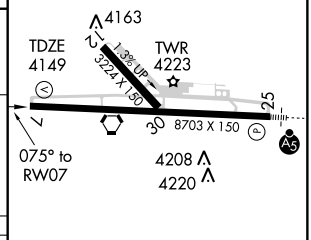
Baro-VNAV NA when using Jerome altimeter setting.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C (-9°F) or above 40°C (104°F). DME/DME RNP-0.3 NA.
When local altimeter setting not received, use Jerome altimeter setting and increase all DA/MDA 60 feet and increase LPV and LNAV/VNAV all Cats, and LNAV Cats C and D visbility ¼ mile. VDP NA when using Jerome altimeter setting.

MISSED APPROACH: Climb to 6000 direct YOYUN and via 345° track to ZUPNU and via 277° track to SECAR and hold.

ASOS	TWIN FALLS APP CON ★	TWIN FALLS TOWER ★	GND CON	UNICOM
135.025	126.7 353.75	118.2 (CTAF) L 317.5	121.7	122.95







CATEGORY	A	B	C	D
LPV DA	4399-¾ 250 (300-¾)			
LNAV/VNAV DA	4668-1¾ 519 (600-1¾)			
LNAV MDA	4620-1 471 (500-1)		4620-1¼ 471 (500-1¼)	4620-1½ 471 (500-1½)
CIRCLING	4680-1 526 (600-1)	4720-1 566 (600-1)	4740-1½ 586 (600-1½)	4800-2 646 (700-2)

REIL Rwy 7 L
HIRL Rwy 7-25 L

NW-1, 14 JAN 2010 to 11 FEB 2010

WAAS CH 56311 W25A	APP CRS 255°	Rwy ldg 8703 TDZE 4154 Apt Elev 4154

RNAV (GPS) RWY 25

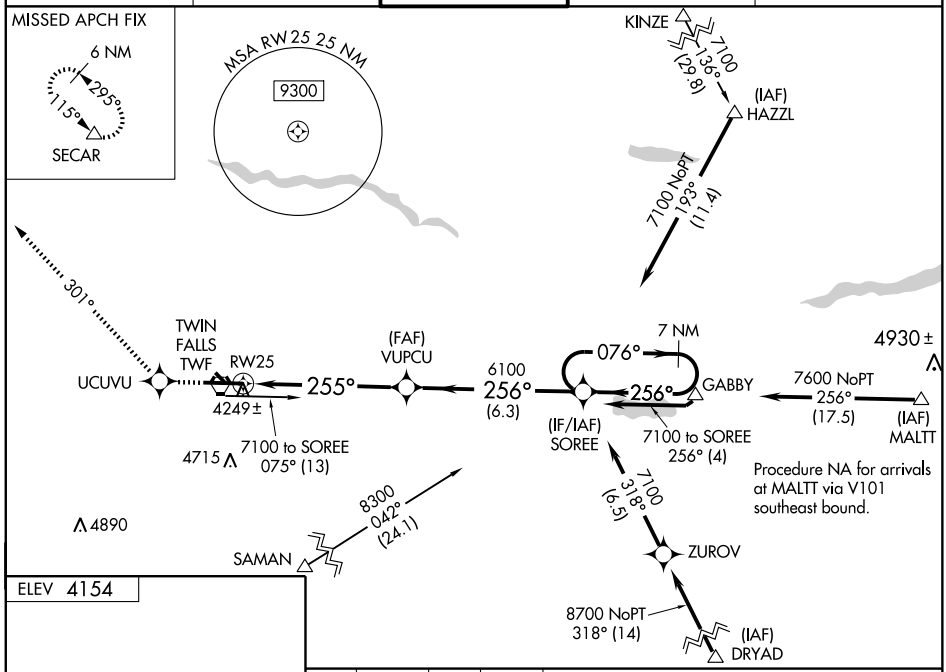
TWIN FALLS/JOSLIN FIELD-MAGIC VALLEY RGNL (TWF)

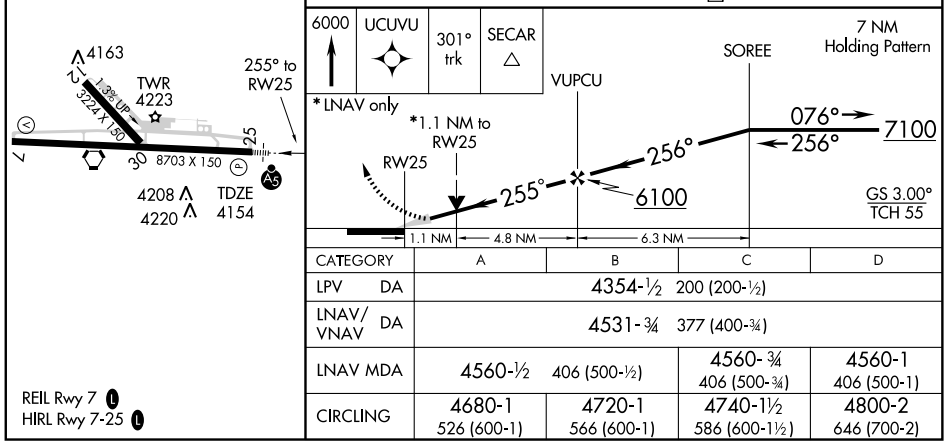
Baro-VNAV NA when using Jerome altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C (-9°F) or above 40°C (104°F). DME/DME RNP-0.3 NA. For inoperative MALSR, increase LNAV visibility Cat D to 1 mile. When local altimeter setting not received, use Jerome altimeter setting and increase all DA/MDA 60 feet and all visibilities ¾ mile. When using Jerome altimeter setting, inoperative table does not apply. VDP NA when using Jerome altimeter setting.

MALSR

MISSED APPROACH: Climb to 6000 direct UCUVU and via 301° track to SECAR and hold.

ASOS	TWIN FALLS APP CON ★	TWIN FALLS TOWER ★	GND CON	UNICOM
135.025	126.7 353.75	118.2 (CTAF) L 317.5	121.7	122.95





CATEGORY	A	B	C	D
LPV DA	4354-½ 200 (200-½)			
LNAV/VNAV DA	4531-¾ 377 (400-¾)			
LNAV MDA	4560-½ 406 (500-½)		4560-¾ 406 (500-¾)	4560-1 406 (500-1)
CIRCLING	4680-1 526 (600-1)	4720-1 566 (600-1)	4740-1½ 586 (600-1½)	4800-2 646 (700-2)

REIL Rwy 7 L
HIRL Rwy 7-25 L

NW-1. 14 JAN 2010 to 11 FEB 2010

SNAKO ONE DEPARTURE

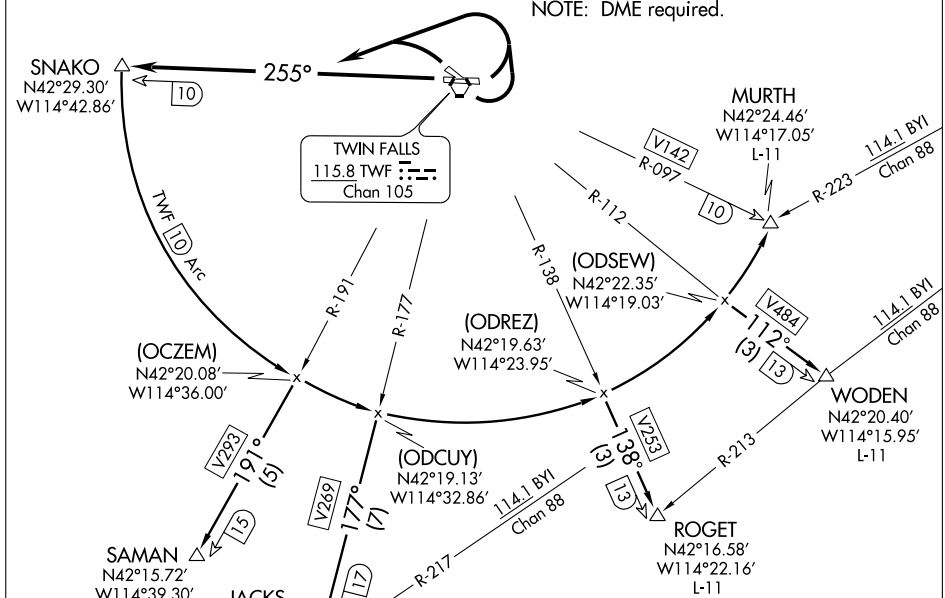
SL-885 (FAA)

GND CON
121.7
TWIN FALLS TOWER★
118.2 317.5
TWIN FALLS DEP CON★
126.7 353.75
ASOS 135.025

NOTE: ROGET transition requires a minimum climb of 290′ per NM to 7600′.

NOTE: MURTH transition requires a minimum climb of 210′ per NM to 10500′.

NOTE: DME required.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 25: Climb runway heading, thence. . . .

TAKE-OFF RUNWAYS 7, 30, 12: Climbing left turn, thence. . . .

. . . .intercept and proceed via TWF R-255 to SNAKO DME Fix, thence via (assigned transition).

JACKS TRANSITION (SNAKO1.JACKS): From over SNAKO DME Fix via 10 DME Arc and V269 to JACKS INT. Thence via (assigned route).

MURTH TRANSITION (SNAKO1.MURTH): From over SNAKO DME Fix via 10 DME Arc and V142 to MURTH INT. Thence via (assigned route).

ROGET TRANSITION (SNAKO1.ROGET): From over SNAKO DME Fix via 10 DME Arc and V253 to ROGET INT. Thence via (assigned route).

SAMAN TRANSITION (SNAKO1.SAMAN): From over SNAKO DME Fix via 10 DME Arc and V293 to SAMAN INT. Thence via (assigned route).

WODEN TRANSITION (SNAKO1.WODEN): From over SNAKO DME Fix via 10 DME Arc and V484 to WODEN INT. Thence via (assigned route).

NW-1. 14 JAN 2010 to 11 FEB 2010

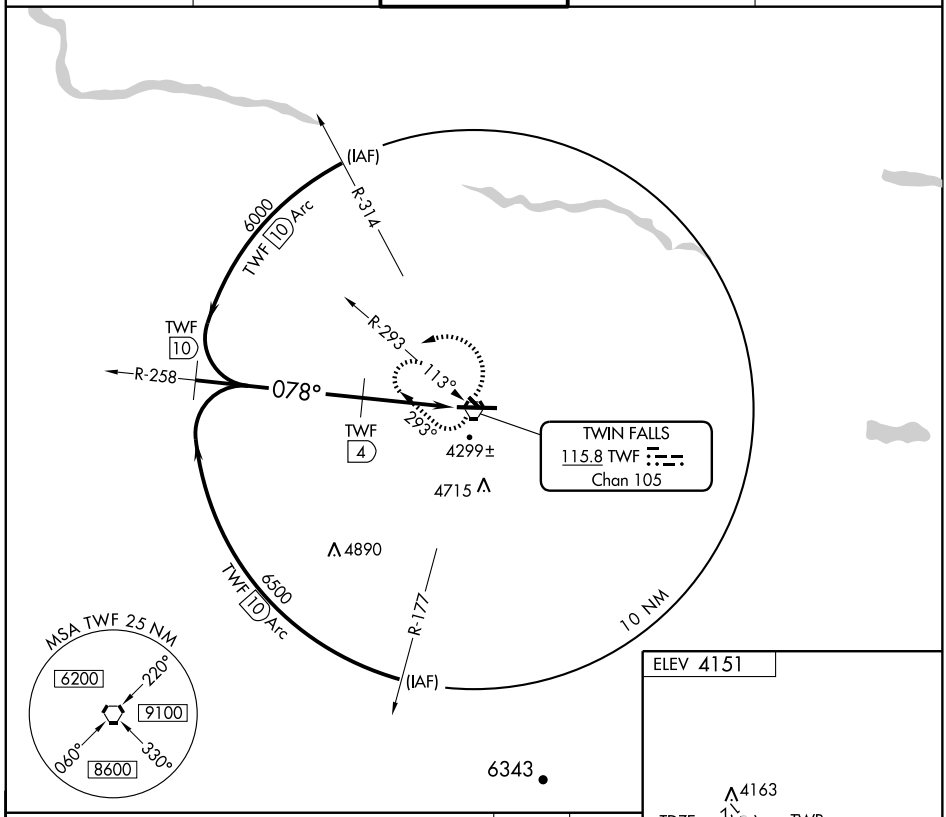
VORTAC TWF	APP CRS	Rwy ldg	8703
115.8	078°	TDZE	4145
Chan 105		Apt Elev	4151

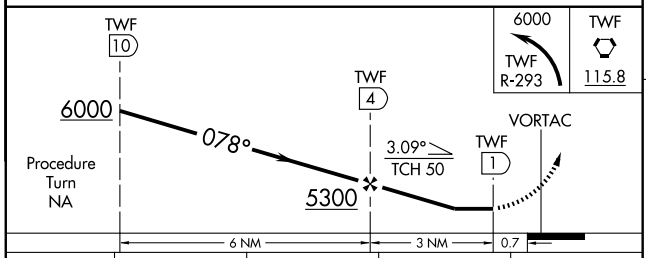
VOR/DME RWY 7

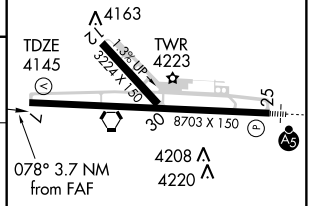
TWIN FALLS/JOSLIN FIELD-MAGIC VALLEY RGNL (TWF)

MISSED APPROACH: Climbing left turn to 6000 on TWF R-293 within 10 NM, return to VORTAC and hold.

ASOS	TWIN FALLS APP CON ★	TWIN FALLS TOWER ★	GND CON	UNICOM
135.025	126.7 353.75	118.2 (CTAF) L 317.5	121.7	122.95







CATEGORY	A	B	C	D
S-7	4560-1 415 (500-1)			4560-1½ 415 (500-1½)
CIRCLING	4680-1 530 (600-1)		4680-1½ 530 (600-1½)	4740-2 590 (600-2)

REIL Rwy 7 L
HIRL Rwy 7-25 L

NW-1, 14 JAN 2010 to 11 FEB 2010

VORTAC TWF	APP CRS	Rwy ldg	8703
115.8	077°	TDZE	4149
Chan 105		Apt Elev	4154

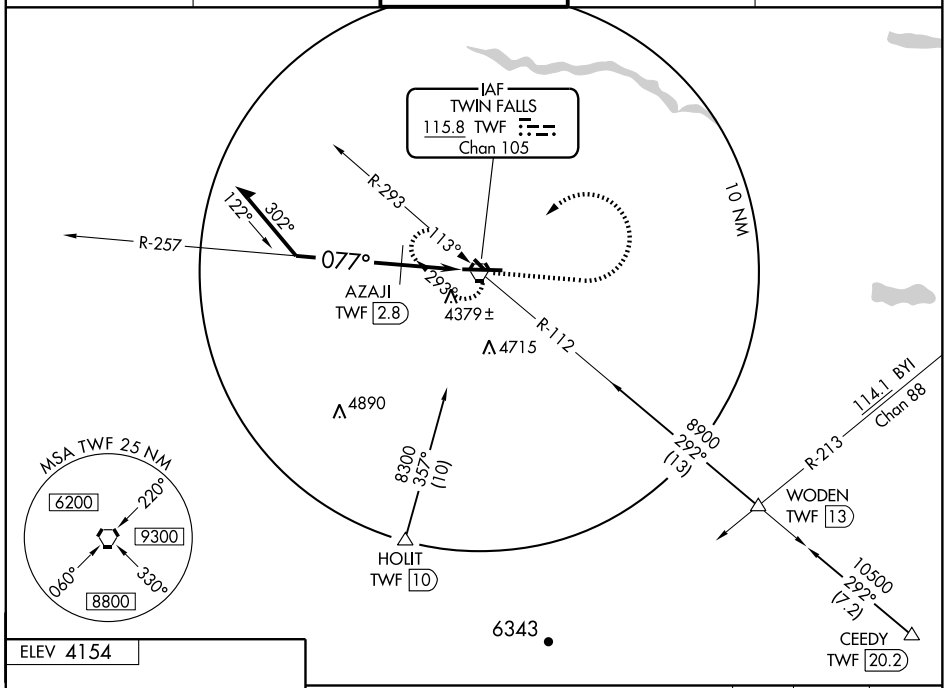
VOR RWY 7

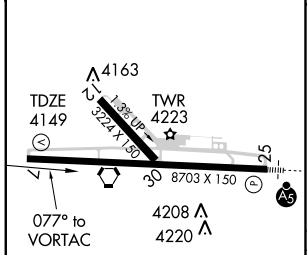
TWIN FALLS/JOSLIN FIELD-MAGIC VALLEY RGNL (TWF)

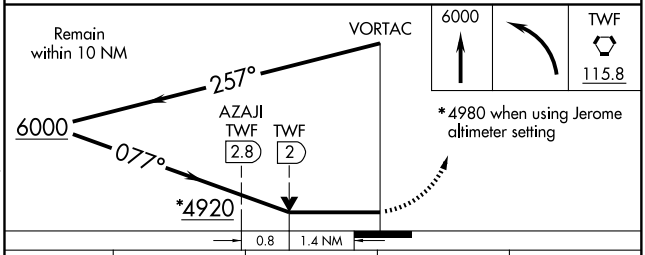
When local altimeter setting not received, use Jerome altimeter setting and increase all MDA 60 feet and visibility Cat C and D ¼ mile.
VDP NA when using Jerome altimeter setting.

MISSED APPROACH: Climb to 6000 then left turn direct TWF VORTAC and hold.

ASOS	TWIN FALLS APP CON ★	TWIN FALLS TOWER ★	GND CON	UNICOM
135.025	126.7 353.75	118.2 (CTAF) L 317.5	121.7	122.95







CATEGORY	A	B	C	D
S-7	4920-1 771 (800-1)	4920-1¼ 771 (800-1¼)	4920-2¼ 771 (800-2¼)	4920-2½ 771 (800-2½)
CIRCLING	4920-1 766 (800-1)	4920-1¼ 766 (800-1¼)	4920-2¼ 766 (800-2¼)	4920-2½ 766 (800-2½)
AZAJI FIX MINIMUMS				
S-7	4640-1	491 (500-1)	4640-1¼ 491 (500-1¼)	4640-1½ 491 (500-1½)
CIRCLING	4680-1 526 (600-1)	4720-1 566 (600-1)	4740-1½ 586 (600-1½)	4800-2 646 (700-2)

REIL Rwy 7 L
HIRL Rwy 7-25 L

NW-1, 14 JAN 2010 to 11 FEB 2010

VORTAC TWF	APP CRS	Rwy ldg	8703
115.8	248°	TDZE	4150
Chan 105		Apt Elev	4151

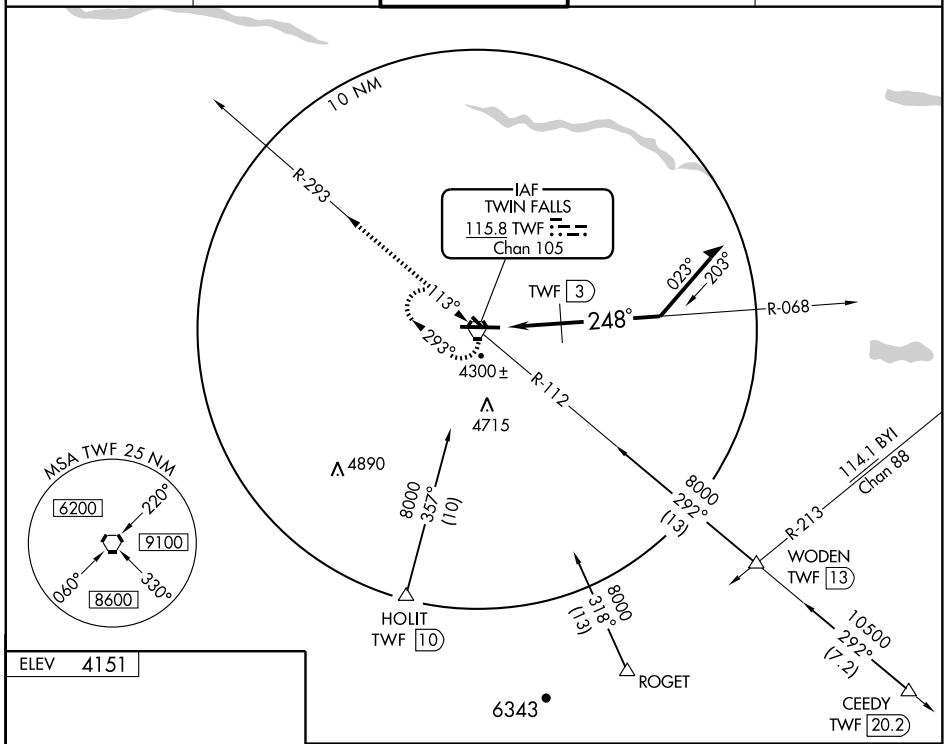
VOR RWY 25

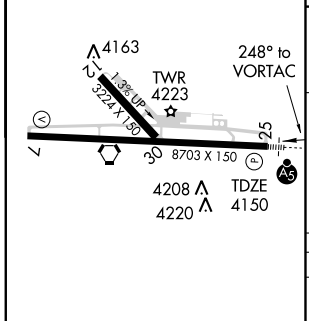
TWIN FALLS/JOSLIN FIELD-MAGIC VALLEY RGNL (TWF)

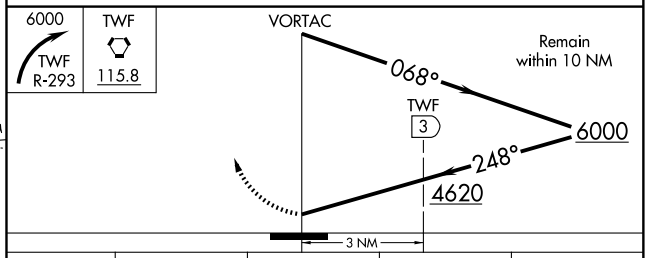
MALSR

MISSED APPROACH: Climbing right turn to 6000 on R-293 TWF VORTAC within 10 NM, return to VORTAC and hold.

ASOS	TWIN FALLS APP CON ★	TWIN FALLS TOWER ★	GND CON	UNICOM
135.025	126.7 353.75	118.2 (CTAF) L 317.5	121.7	122.95







CATEGORY	A	B	C	D
S-25	4620-½ 470 (500-½)		4620-¾ 470 (500-¾)	4620-1¼ 470 (500-1¼)
CIRCLING	4680-1 530 (600-1)		4680-1½ 530 (600-1½)	4740-2 590 (600-2)
DME MINIMA				
S-25	4560-½ 410 (500-½)			4560-1 410 (500-1)

REIL Rwy 7 L
HIRL Rwy 7-25 L

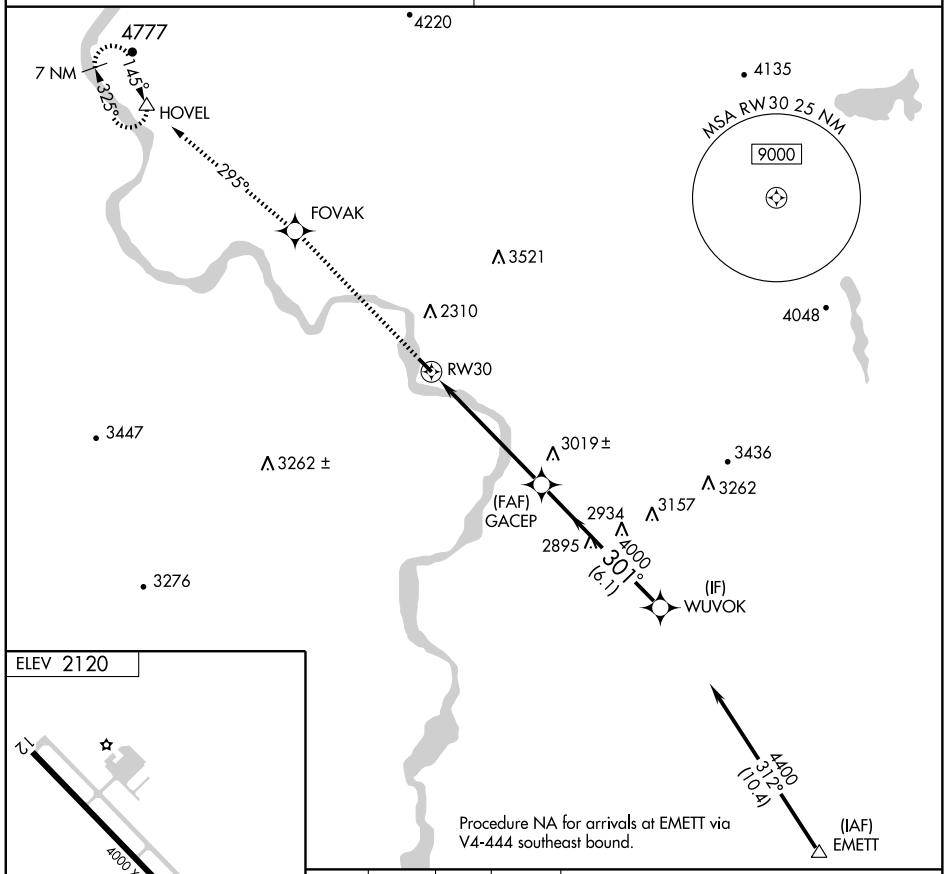
APP CRS	Rwy ldg	N/A
301°	TDZE	N/A
	Apt Elev	2120

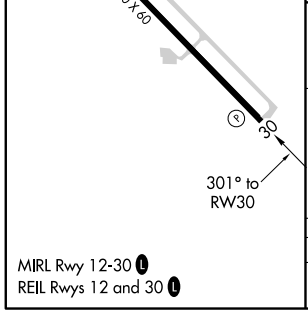
RNAV (GPS)-A
WEISER MUNI (S87)

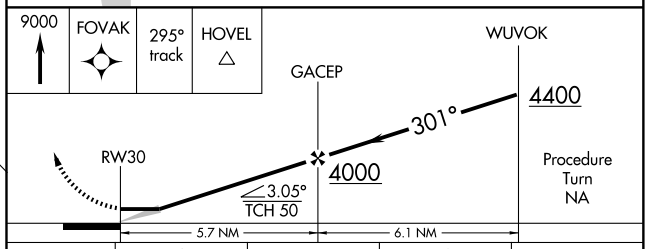
DME/DME RNP-0.3 NA. Procedure NA at night. Use Ontario altimeter setting; when not received, use Boise altimeter setting and increase all MDAs 160 feet.

MISSED APPROACH: Climb to 9000 direct FOVAK and via 295° track to HOVEL and hold, continue climb-in-hold to 9000.

SALT LAKE CENTER	UNICOM
128.05 387.15	122.8 (CTAF) L







CATEGORY	A	B	C	D
CIRCLING	3480-1¼ 1360 (1400-1¼)	3480-1½ 1360 (1400-1½)	3480-3 1360 (1400-3)	

MIRL Rwy 12-30 L
REIL Rwys 12 and 30 L